

LEADER IN BIOMOLECULAR
SOLUTIONS FOR LIFE SCIENCE

EPIGENETIC PATHWAY

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公司简介

COMPANY PROFILE

**LEADER IN BIOMOLECULAR
SOLUTIONS FOR LIFE SCIENCE**



武汉爱博泰克生物科技有限公司成立于2011年，并在2012年被列入第五批“3551光谷人才计划”，已通过ISO9001:2015质量管理体系认证。公司依托美国波士顿抗体与蛋白研发中心、中国光谷生物城(武汉)抗体生产基地以及上海张江分子酶研发中心，凝聚了十余位来自哈佛大学、麻省理工、复旦大学、上海交大、中科院生化细胞所和武汉大学的全球顶尖分子以及免疫学方面博士组成科学家团队，致力于抗体与蛋白技术的研究，公司成立至今已建立完善和全面的抗体高通量检测平台。公司主营业务包括科研抗体、分子酶产品、NGS建库试剂盒、诊断抗原抗体原料、ELISA试剂盒以及CRO服务。CRO服务主要包括抗体与蛋白技术服务、基因与多肽合成技术服务、免疫学检测技术服务和CRISPR/Cas9基因敲除技术服务等。公司专注服务于全球的科研单位、药物研发机构以及诊断工业客户，为客户提供优质的产品和专业的服务。

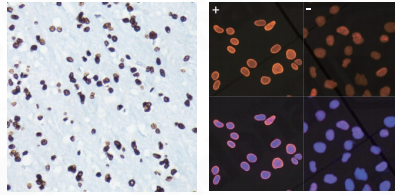
Antibody | Service | Enzyme | ELISA Kits | NGS

表观明星抗体精选

A19525

H4K5ac Rabbit mAb

反应物种: Human Mouse Rat
验证应用: WB IHC IF



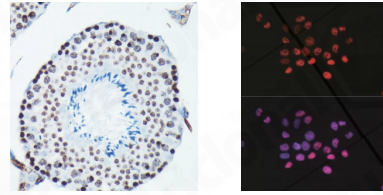
Rat brain

NIH-3T3 cells were treated by TSA (1 uM)

AP0687

Phospho-H2AX-S139 Rabbit mAb

反应物种: Human Mouse Rat
验证应用: WB IHC IF



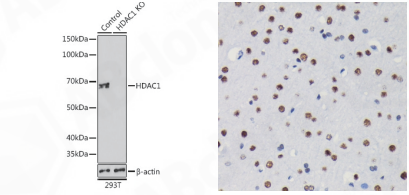
Mouse testis

HeLa cells

A19571

[KO Validated] HDAC1 Rabbit mAb

反应物种: Human Mouse Rat
验证应用: WB IHC IF

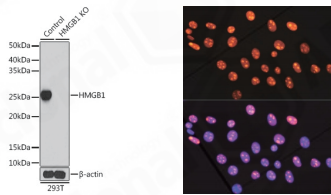


Mouse brain

A19529

[KO Validated] HMGB1 Rabbit mAb

反应物种: Human Mouse Rat
验证应用: WB IHC IF

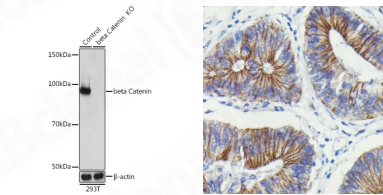


NIH/3T3 cells

A19657

[KO Validated] beta Catenin Rabbit mAb

反应物种: Human Mouse Rat
验证应用: WB IHC IF

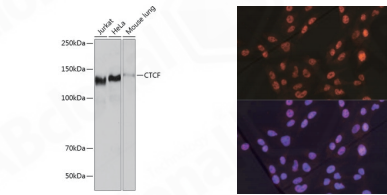


Human colon carcinoma

A19588

[KO Validated] CTCF Rabbit mAb

反应物种: Human Mouse Rat
验证应用: WB IF

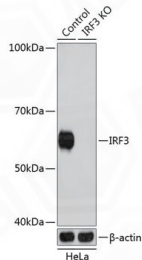


C6 cells

A19717

[KO Validated] IRF3 Rabbit mAb

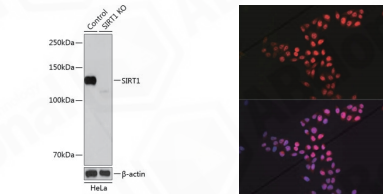
反应物种: Human Mouse
验证应用: WB



A19667

[KO Validated] SIRT1 Rabbit mAb

反应物种: Human
验证应用: WB IF

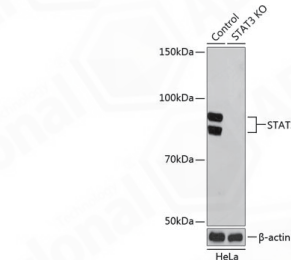


HeLa cells

A19566

[KO Validated] STAT3 Rabbit mAb

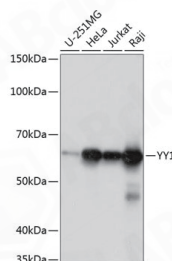
反应物种: Human Mouse Rat
验证应用: WB



A19569

YY1 Rabbit mAb

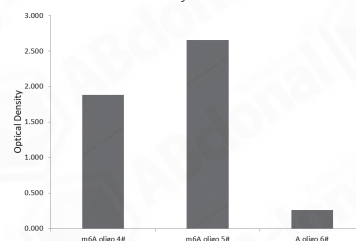
反应物种: Human Mouse Rat
验证应用: WB IF



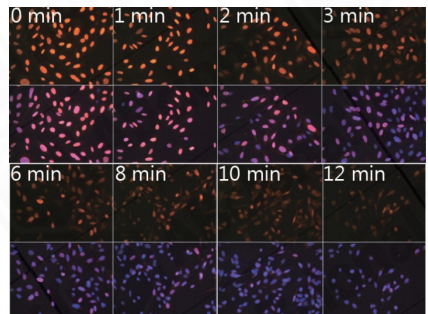
A19841

N6-methyladenosine / m6A Rabbit mAb

反应物种: Human Mouse Rat Other (Wide Range)
验证应用: Nucleotide Array DB IF



The m6A rabbit mAb (4μg) are tested in Nucleotide Array against m6A and unmodified adenosine (100pmol for each oligomer).



U2OS cells pre-treated with BrdU were subjected UVC irradiation

组蛋白修饰抗体列表

重组兔单抗

Catalog	Name	Applications	Cross-Reactivity
A2355	H3K4me1 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2356	H3K4me2 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2357	H3K4me3 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2358	H3K9me1 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2359	H3K9me2 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2360	H3K9me3 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A5277	H3K14me1 pAb	WB IHC IF	Human Mouse Rat
A5278	H3K14me2 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A5279	H3K14me3 pAb	WB IHC IF IP ChIP ChIP-seq	Human Rat
A2361	H3K27me1 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2362	H3K27me2 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2363	H3K27me3 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat Oryza sativa
A16199	H3K27me3 mAb	WB IHC IF IP ChIP	Human Mouse Rat
A2364	H3K36me1 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2365	H3K36me2 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat Other (Wide Range)
A2366	H3K36me3 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A7262	H3K56me3 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A7259	H3K64me3 pAb	WB IHC IF	Human Mouse Rat
A2367	H3K79me1 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2368	H3K79me2 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2369	H3K79me3 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A3154	H3R2me1 pAb	WB IHC IF ChIP	Human Mouse Rat
A19645	H3R2me1 Rabbit mAb	WB ChIP	Human Mouse Rat
A2373	H3R2me2s pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A3155	H3R2me2a pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A3156	H3R8me1 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2374	H3R8me2s pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A3157	H3R8me2a pAb	WB IHC IF	Human Mouse
A3151	H3R17me1 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A3152	H3R17me2s pAb	WB IHC IF	Human Mouse Rat
A2421	H3R17me2a pAb	WB IHC IF IP	Human Mouse Rat
A3163	H3R26me1 pAb	WB IHC IF IP	Human Mouse Rat
A3153	H3R26me2s pAb	WB IF	Human Mouse Rat
A2375	H3R26me2a pAb	WB IHC IF IP	Human Mouse Rat
A3158	H4R3me1 pAb	WB IHC IF IP	Human Mouse Rat
A3159	H4R3me2S pAb	WB IHC IF	Human Mouse Rat
A2376	H4R3me2a pAb	WB IHC IF IP	Human Mouse Rat
A2370	H4K20me1 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat

Catalog	Name	Applications	Cross-Reactivity
A2371	H4K20me2 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A2372	H4K20me3 pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A15620	H2A K5ac pAb	WB IHC IF	Human Mouse Rat
A15621	H2B K5ac pAb	WB IHC IF IP ChIP	Human Mouse Rat
A15619	H2B K12ac pAb	WB IHC IF	Human Mouse Rat
A15622	H2B K15ac pAb	WB IHC IF IP	Human Mouse Rat
A16078	H3K4ac pAb	WB IF	Human Mouse Rat
A7255	H3K9ac pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A7254	H3K14ac pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A7257	H3K18ac pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A18154	H3K23ac pAb	WB IHC IF	Human Mouse Rat
A7253	H3K27ac pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A16077	H3K36ac pAb	WB IF	Human Mouse Rat
A7256	H3K56ac pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A17917	H3K9ac/H3K14ac/H3K18ac/ H3K23ac/H3K27ac pAb	WB IHC IF	Human Mouse Rat
A19525	H4K5ac Rabbit mAb	WB IHC IF	Human Mouse Rat
A11015	H4K5ac mAb	WB IHC IF IP	Human Mouse Rat
A15233	H4K5AC pAb	WB IHC IF ChIP	Human Mouse Rat
A7258	H4K8ac pAb	WB IHC IF IP ChIP ChIP-seq	Human Mouse Rat
A14227	H4K12ac pAb	WB IHC IF	Human Mouse Rat
A5280	H4K16ac pAb	WB IF ChIP	Human Mouse Rat
A7409	H4K91ac pAb	WB IF ChIP	Human Mouse Rat
A11009	Hydroxyl-Histone H2A-Y39 mAb	WB IHC	Human Mouse Rat
AP0486	Phospho-Histone H3.3-S32 pAb	WB	Human Mouse Rat
AP0002	Phospho-Histone H3-S10 Rabbit mAb	WB IHC IF	Human Mouse Rat
AP0639	Phospho-Histone H3-S10 mAb	WB IHC IF IP	Human Mouse Rat
AP0197	Phospho-Histone H3-S10 pAb	WB IHC	Human Mouse Rat
AP0896	Phospho-Histone H3- S10/T11 pAb	WB IHC IF	Human Mouse Rat
AP0839	Phospho-Histone H3-S28 pAb	WB IF	Human Mouse Rat
AP0093	Phospho-Histone H3-T11 pAb	WB IHC IF	Human Mouse Rat
AP0846	Phospho-Histone H3-T3 pAb	WB	Human Mouse Rat
AP0901	Phospho-Histone H4-S1 pAb	WB IHC	Human Mouse Rat
AP0099	Phospho-γH2A.X-S139 pAb	WB IHC IF	Human Mouse Rat
AP0687	Phospho-H2AX-S139 Rabbit mAb	WB IHC IF	Human Mouse Rat
AP0617	Phospho-γH2A.X-S2 pAb	WB	Human Rat
A17952	Ubiquityl-Histone H2A-K119 pAb	WB	Human
A17949	Ubiquityl-Histone H2B-K120 pAb	WB	Human Mouse Rat

表观抗体列表

重组单抗

Catalog	Name	Applications	Cross-Reactivity
A18019	[KO Validated] AKT2 mAb	WB IHC ICC IF IP ChIP	Human Mouse Rat Monkey
A8601	[KO Validated] ARID2 pAb	WB	Human
A9851	[KO Validated] BAZ1B pAb	WB IHC IF	Human Mouse Rat
A19657	[KO Validated] beta Catenin Rabbit mAb	WB IHC IF	Human Mouse Rat
A7883	[KO Validated] CHD1 pAb	WB IHC	Human Mouse Rat
A19612	[KO Validated] Cleaved PARP Rabbit mAb	WB	Human Mouse
A5495	[KO Validated] DNMT1 pAb	WB IF IP	Human
A19679	[KO Validated] Dnm1 Rabbit mAb	WB IF	Human Mouse Rat
A19659	[KO Validated] Dnmt3a Rabbit mAb	WB	Human Mouse Rat
A0238	[KO Validated] HDAC1 pAb	WB IHC IF IP	Human Mouse Rat
A19571	[KO Validated] HDAC1 Rabbit mAb	WB IHC IF	Human Mouse Rat
A5829	[KO Validated] HDAC8 pAb	WB IHC IF	Human Mouse Rat
A19529	[KO Validated] HMGB1 Rabbit mAb	WB IHC IF	Human Mouse Rat
A11118	[KO Validated] IRF3 pAb	WB IHC ChIP	Human Mouse Rat
A19717	[KO Validated] IRF3 Rabbit mAb	WB	Human Mouse
A1156	[KO Validated] KDM1 pAb	WB IF IP	Human Rat
A19653	[KO Validated] NF-kB p65 Rabbit mAb	WB IHC	Human Mouse Rat
A6667	[KO Validated] NFKB1 pAb	WB IHC IF	Human Mouse
A7636	[KO Validated] NOTCH1 pAb	WB IHC IF	Human Mouse Rat
A19596	[KO Validated] PARP Rabbit mAb	WB IHC	Human Mouse Rat
A0942	[KO Validated] PARP1 pAb	WB IHC IF IP ChIP	Human Mouse Rat
A4035	[KO Validated] PPP1CC pAb	WB IHC ChIP	Human Mouse Rat
A18076	[KO Validated] RNF2 pAb	WB IHC IF IP ChIP	Human Mouse Rat
A9985	[KO Validated] SETD7 pAb	WB IF	Human Mouse Rat
A11267	[KO Validated] SIRT1 pAb	WB IHC IF IP	Human Mouse Rat
A19667	[KO Validated] SIRT1 Rabbit mAb	WB IF	Human
A5718	[KO Validated] SIRT3 pAb	WB IHC	Human Mouse Rat
A7699	[KO Validated] SMAD2 pAb	WB IHC IF	Human Mouse Rat
A1192	[KO Validated] STAT3 pAb	WB IHC IF	Human Mouse Rat
A19566	[KO Validated] STAT3 Rabbit mAb	WB	Human Mouse Rat
A19567	[KO Validated] STAT5b Rabbit mAb	WB	Human Mouse Rat
A7786	[KO Validated] SUZ12 pAb	WB IHC IF IP	Human Mouse Rat
A8737	[KO Validated] ZMYND8 pAb	WB IHC	Human Mouse Rat
A19611	Androgen Receptor Rabbit mAb	WB IHC IF	Human Mouse Rat
A19650	ATM Rabbit mAb	WB IHC	Human Mouse Rat
AP0008	Phospho-ATM-S1981 pAb	WB IF	Human
A19539	Aurora B Rabbit mAb	WB IF	Human Rat
A0212	BRCA1 pAb	WB IHC IF	Human Mouse
AP0232	Phospho-BRCA1-S1423 pAb	WB IHC IF	Human Mouse Rat

Catalog	Name	Applications	Cross-Reactivity
A5811	BTAf1 pAb	WB IHC IP ChIP	Human Rat
A19556	BRG1 Rabbit mAb	WB IHC IF	Human Mouse Rat
A2246	CARM1 pAb	WB	Human Mouse Rat
A1098	CBX5 pAb	WB IF IP ChIP	Human Rat
A19538	CEBP beta Rabbit mAb	WB	Human Mouse
A0236	c-Fos pAb	WB IHC IF	Human Mouse Rat
AP0038	Phospho-c-Fos-T232 pAb	WB IF	Human Mouse Rat
A11378	c-Jun pAb	WB IHC IF	Human Mouse Rat
AP0105	Phospho-c-Jun-S63 Rabbit mAb	WB IF	Human Mouse Rat
AP0047	Phospho-c-Jun-S73 pAb	WB IF	Human Mouse Rat
A1309	c-Myc pAb	WB	Human Mouse Rat
AP0080	Phospho-MYC-T58 pAb	WB IHC IF	Human Mouse Rat
A1334	CREBBP pAb	WB IHC	Human Mouse Rat
A19683	KII alpha Rabbit mAb	WB	Human Mouse Rat
A1014	CSNK2A1 pAb	WB IHC IF	Human Mouse Rat
AP0335	Phospho-CSNK2A1-T360/S362 pAb	WB	Human Mouse Rat
A1133	CTCF pAb	WB IHC IF IP ChIP	Human Mouse Rat Monkey
A13272	CTCF pAb	WB IHC IF IP ChIP	Human Mouse Rat
A19588	[KO Validated] CTCF Rabbit mAb	WB IF	Human Mouse Rat
A2213	CUX1 pAb	WB IF	Human Mouse Rat
A2715	DLK1 pAb	WB IHC IF	Human Mouse Rat
A5595	Acetyl-DNMT1-K1127/K1129/K1131/K1133 pAb	IHC IF	Human Mouse Rat
A16729	DNMT1 pAb	WB IHC IF IP	Human Mouse Rat
AP0021	Phospho-Dnmt1-pS714 pAb	WB IF	Human
A3169	DNMT3A pAb	WB IHC IF	Human Mouse Rat
A7239	DNMT3B pAb	WB IHC IF	Human Mouse Rat
A2067	E2F1 pAb	WB IF	Human Mouse Rat
A19579	E2F1 Rabbit mAb	WB	Human Mouse Rat
A6151	E2F6 pAb	WB IHC IF IP ChIP	Human Mouse
A7266	EGR1 pAb	WB IHC	Human Mouse Rat
A8513	EHMT1 pAb	WB	Human Mouse Rat
A1247	EHMT2 pAb	WB IF	Human Mouse Rat
A2295	EHMT2 pAb	WB	Human
A12976	ESR1 mAb	WB IHC IF ChIP	Human Mouse Rat Dog
A19603	ETS1 Rabbit mAb	WB	Human Rat
A7893	EYA3 pAb	WB IHC	Human Mouse Rat
A1763	FKBP1A pAb	WB IHC	Human Mouse Rat
A6189	FOXA2 pAb	WB IHC IF	Human Rat
A19636	GATA3 Rabbit mAb	WB	Human Mouse

表观抗体列表

重组兔单抗

Catalog	Name	Applications	Cross-Reactivity	Catalog	Name	Applications	Cross-Reactivity
A6189	FOXA2 pAb	WB IHC IF	Human Rat	A5290	JUNB pAb	WB IHC IF	Human Rat
A19636	GATA3 Rabbit mAb	WB	Human Mouse	AP0375	Phospho-JUNB-S259 pAb	WB IHC	Human Mouse Rat
A19583	Glucocorticoid Receptor Rabbit mAb	WB	Human Mouse Rat	A19568	KAP1 Rabbit mAb	WB IHC	Human Mouse Rat
A9287	GTF3C4 pAb	WB IHC IF	Human Rat	A2224	KAT2A pAb	WB IHC IF	Human Mouse Rat
A6188	HAT1 pAb	WB IHC IF CHIP	Human Mouse Rat	A2292	KAT5 pAb	WB IHC IF	Human Mouse Rat
A2084	HDAC2 pAb	WB IHC IF IP	Human Mouse Rat	A5823	KAT7 pAb	WB IF	Human Mouse Rat
A19626	HDAC2 Rabbit mAb	WB IHC IF	Human Mouse Rat	A11960	KDM3A pAb	WB IHC IF	Human Mouse Rat
AP0201	Phospho-HDAC2-S394 pAb	WB IHC IF	Human Mouse Rat	A7953	KDM4A pAb	WB IHC IF IP	Human Mouse Rat
A2139	HDAC3 pAb	WB IHC IF IP CHIP	Human	A14104	KDM5B pAb	WB	Human Mouse Rat
A19537	HDAC3 Rabbit mAb	WB	Human Mouse Rat	A7772	KDM5B pAb	WB IF	Human
A0179	HDAC4 pAb	WB IHC IF	Human Mouse Rat	A15740	KDM5C pAb	WB	Human Mouse Rat
A0239	HDAC4 pAb	WB IF IP	Human Mouse	A17382	Kdm6b pAb	WB IF	Human Mouse Rat
AP0359	Phospho-HDAC4-S632 pAb	WB	Human Mouse Rat	A4987	LPCAT1 pAb	WB IHC	Human Mouse Rat
A0632	HDAC5 pAb	WB IHC IF	Human Mouse Rat	A19841	N6-methyladenosine / m6A Rabbit mAb	Nucleotide Array DB IF	Human Mouse Rat Other (Wide Range)
AP0202	Phospho-HDAC5-S498 pAb	WB IHC	Human Mouse Rat	A12963	MST1 pAb	WB IHC IF	Human Mouse Rat
A11259	HDAC6 pAb	WB IHC IF IP	Human Mouse Rat	AP0115	Phospho-mTOR-S2448 Rabbit mAb	WB	Human Mouse
A2970	HDAC7 pAb	WB IHC	Human Mouse Rat	A1128	NCOA1 pAb	WB IF	Human Mouse
A7285	HDAC7 pAb	WB IF	Human Mouse Rat	A19597	NFAT2 Rabbit mAb	WB	Human
A2323	HDAC8 pAb	WB IP	Human Mouse Rat	A11160	NFKB1 pAb	WB IHC IF IP	Human
AP0360	Phospho-HDAC8-S39 pAb	IHC IF	Human Mouse Rat	AP0417	Phospho-NFKB1-S932 pAb	WB IHC	Human Mouse Rat
A1516	HDAC9 pAb	WB	Human Mouse	A19605	NfκB p100 / p52 Rabbit mAb	WB IHC	Human Mouse Rat
A6184	HDAC10 pAb	WB	Human Mouse Rat	A9981	NSD1 pAb	WB	Human Mouse
A6140	HDAC11 pAb	WB	Human Mouse Rat	A0263	p53 pAb	WB IHC IF CHIP	Human Rat
AP0280	Phospho-HDAC4-S246/HDAC5-S259/HDAC9-S220 pAb	WB IHC	Human	A5761	p53 pAb	WB IHC IP CHIP	Human Mouse Rat
A2348	Histone H3 pAb	WB IHC IF CHIP	Human Mouse Rat	A12968	p63 pAb	WB IHC IF	Human Mouse Rat
A19532	HIF-1 beta Rabbit mAb	WB IHC	Human	A19652	p63 Rabbit mAb	WB IHC	Human Mouse
A13765	HSF1 pAb	WB IHC IF	Human Mouse Rat	A19608	PAK1 Rabbit mAb	WB IF	Human Mouse Rat
AP0363	Phospho-HSF1-S303 pAb	WB IHC	Human	A19697	Progesterone Receptor Rabbit mAb	WB	Human
A7190	IDH2 pAb	WB IHC IF IP CHIP	Human Mouse Rat	AP1083	Phospho-PIM1-Y309 pAb	WB	Human Mouse
AP0623	Phospho-IRF3-S396 pAb	WB	Human Mouse Rat	A19695	PIM1 Rabbit mAb	WB IHC	Human Mouse Rat
A1052	IRF4 pAb	WB IF	Human Mouse	A19646	PML Rabbit mAb	WB	Human Mouse Rat
A2062	IKK alpha pAb	WB IHC IF IP	Human Mouse Rat	A1682	POU2F1 pAb	WB IHC	Human Mouse Rat
A19714	IKB alpha Rabbit mAb	WB IHC	Human Mouse Rat	A11181	POLR2A pAb	WB IHC IF IP CHIP	Human Mouse Rat
AP0707	Phospho-IκBα-S32 Rabbit mAb	WB	Human Mouse Rat	A19676	PPAR gamma Rabbit mAb	WB	Rat
A19694	IKK alpha Rabbit mAb	WB	Human Mouse	AP0786	Phospho-PPP1CA-T320 pAb	WB IHC	Human Mouse Rat
AP0173	Phospho-IKK alpha-T23 pAb	WB IHC	Human Mouse Rat	A12468	PPP1CA pAb	WB IHC	Human Mouse
A7694	JAK2 pAb	WB IHC	Human Mouse Rat	A2109	PPP4C pAb	WB IHC IF IP	Human Mouse Rat
AP0531	Phospho-Jak2-Y1007/1008 pAb	WB IHC	Human Mouse Rat	A5543	PRDM14 pAb	WB IHC IF IP CHIP	Human Mouse Rat

Catalog	Name	Applications	Cross-Reactivity	Catalog	Name	Applications	Cross-Reactivity
A11107	PRKCA mAb	WB IHC IF IP	Human Mouse Rat	A0440	SMAD2 pAb	WB IHC IF IP	Human Mouse Rat
A0267	PRKCA pAb	WB IHC IF	Human Mouse	AP0727	Phospho-Smad3-S423/S425 Rabbit mAb	WB IHC	Human Mouse Rat
A1520	PRMT5 pAb	WB IHC IF	Human Mouse Rat	A6474	SMYD2 pAb	WB IF	Human Mouse
A7814	PRMT6 pAb	WB IF	Human Mouse	A19710	SOX9 Rabbit mAb	WB IHC IF	Human Mouse Rat
A0370	RARA pAb	WB IHC IF	Human Mouse Rat	A19649	SP1 Rabbit mAb	WB IHC IF	Human Mouse Rat
A1490	RBBP4 pAb	WB IF IP CHIP	Human Mouse Rat	AP0054	Phospho-STAT1-Y701 Rabbit mAb	WB	Human Mouse Rat
A13456	RBBP7 pAb	WB IHC IF CHIP	Human Rat	A19563	STAT1 alpha Rabbit mAb	WB	Human Mouse Rat
A19551	Retinoic Acid Receptor alpha Rabbit mAb	WB IHC	Human Mouse Rat	A0913	STAT2 pAb	WB IHC	Human
AP0117	Phospho-Rb-S780 Rabbit mAb	WB IHC	Human Mouse Rat	AP0715	Phospho-STAT3-S727 Rabbit mAb	WB IHC	Human Mouse Rat
A13934	RBBP4 pAb	WB IF CHIP	Human	AP0070	Phospho-Stat3-Y705 pAb	WB IHC IF	Human Mouse Rat
A6967	RBBP7 pAb	WB IF IP CHIP	Human Mouse Rat	AP0705	Phospho-STAT3-Y705 Rabbit mAb	WB	Human Mouse Rat
A7161	REST pAb	WB	Human	AP0758	Phospho-STAT5A-Y694 Rabbit mAb	WB IHC	Human Mouse Rat
A5563	RNF2 pAb	WB IHC IF IP CHIP	Human Mouse Rat	A3277	SUV39H1 pAb	WB IHC IF CHIP	Human Mouse Rat
A17309	RNF20 pAb	WB	Human Mouse Rat	A5855	SUV39H2 pAb	WB CHIP	Human Mouse Rat
A6443	RNF40 pAb	WB IHC IF CHIP	Human	A15730	TAF1 pAb	WB	Human Mouse
A3194	SETD2 pAb	WB IF	Human Mouse Rat	A19548	TCF7L2 Rabbit mAb	WB IHC	Human Mouse Rat
A8071	SETD3 pAb	WB IP	Human Mouse	A13366	TEAD1 pAb	WB IHC IF CHIP	Human Mouse
A6145	SETDB1 pAb	WB IHC IF	Human Mouse Rat	A6768	TEAD1 pAb	WB IF CHIP	Human Mouse Rat
A1577	SIN3A pAb	WB IF IP CHIP	Human Mouse	A17407	TEAD2 pAb	WB	Human Mouse
A0273	SIRT2 pAb	WB IHC IF	Human Mouse Rat	A7454	TEAD3 pAb	WB IHC IF	Human Mouse
A7307	SIRT3 pAb	WB IHC IF	Human Mouse Rat	A4151	TEAD4 pAb	WB	Human Mouse Rat
A7585	SIRT4 pAb	WB	Mouse Rat	A16273	TET2 pAb	WB IHC IF IP	Human Mouse
A5784	SIRT5 pAb	WB	Human Mouse Rat	A3141	TET3 pAb	WB IP	Human Mouse Rat
A7416	SIRT6 pAb	WB	Human Mouse	A6315	UBE2B pAb	WB IHC	Human Mouse Rat
A0979	SIRT7 pAb	WB IHC IF	Human Mouse Rat	A7745	VRK1 pAb	WB IHC	Human Mouse Rat
AP0269	Phospho-SMAD2-S467 pAb	WB	Human Mouse Rat	A19569	YY1 Rabbit mAb	WB IF	Human Mouse Rat

高分SCI引用节选

Cell Reports

Systematic Analysis of Drug Vulnerabilities Conferred by Tumor Suppressor Loss

Graphical Abstract

Authors
Hongyu Ding, Jie Zhao, Yanli Zhang, ..., Zhengjin He, Shishuang Chen, Hai Jiang

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SETD2	Abclonal	Cat#A3194; RRID:AB_2764980
Fibrillarlin	Abcam	Cat#ab5821; RRID:AB_2105785

Article

A

B

LETTER

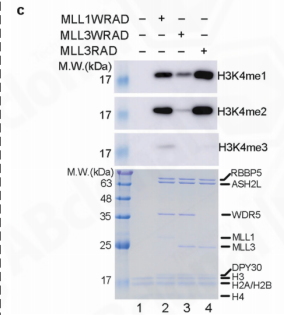
<https://doi.org/10.1038/s41586-019-1528-1>

Structural basis of nucleosome recognition and modification by MLL methyltransferases

Han Xue^{1,4}, Tonghui Yao^{1,4}, Mi Cao², Guanjun Zhu¹, Yan Li³, Guiyong Yuan², Yong Chen¹, Ming Lei² & Jing Huang^{2*}

MLL3-ubNCP or MLL1-NCP mixture was loaded on top of the glycerol gradients and the ultracentrifugation was performed at 35,000 rpm at 4 °C for 14 h, using a SW 41Ti rotor (Beckman). The GraFix fractions that contained the MLL1-ubNCP, MLL3-ubNCP or MLL1-NCP complex were collected and dialysed against 25 mM Tris-HCl pH7.5 and 150 mM NaCl, and were then concentrated to 1 mg/ml. gel electrophoresis (SDS-PAGE) gel and the mono-, di- and tri-methylation of histone H3K4 were detected by western blot using the corresponding antibodies (H3K4me1 antibody, no. A2355, ABclonal; H3K4me2 antibody, no. A2356, ABclonal; H3K4me3 antibody, no. A2357, ABclonal).

Electrophoretic mobility shift assay The MLL1 or MLL3 complex was mixed



ARTICLE

<https://doi.org/10.1038/s41467-019-10602-5>

OPEN

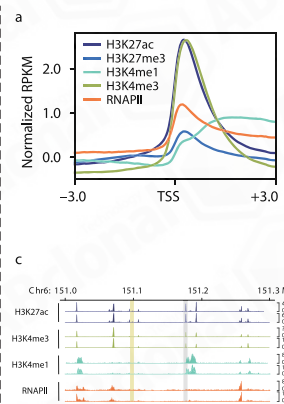
Chromatin interaction maps reveal genetic regulation for quantitative traits in maize

Yong Peng^{1,3}, Dan Xiong^{1,3}, Lun Zhao¹, Weizhi Ouyang¹, Shuangqi Wang¹, Jun Sun^{1,2}, Qing Zhang¹, Pengpeng Guan¹, Liang Xie¹, Wenqiang Li¹, Guoliang Li^{1,2}, Jianbing Yan¹ & Xingwang Li¹

H3K4me3, H3K27ac (ABclonal, cat. no. A7253) and RNAPII peaks were identified with default parameters, whereas H3K27me3 (ABclonal, cat. no. A2363) and H3K4me1 (ABclonal, cat. no. A2355) were identified with parameters --broad -q 0.05. MNase sequencing peaks were identified with parameters --nomodel --shift -100 --extsize 200. Peaks were annotated using Homer³⁷. RNA-Seq FPKM values were calculated with Cufflinks³⁸. In order to calculate the methylation density for

would be removed. Meanwhile, we randomly selected the same number of intra-chromosome gene pairs. Both random procedures were repeated 1000 times.

Reporting summary. Further information on research design is available in the Nature Research Reporting Summary linked to this article.



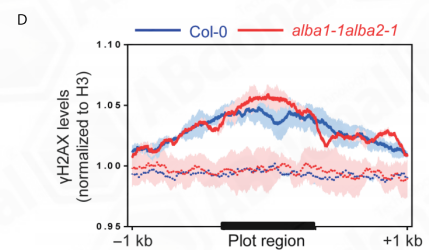
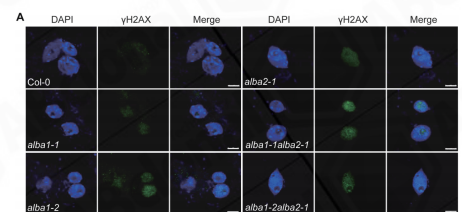
SCIENCE ADVANCES | RESEARCH ARTICLE

MOLECULAR BIOLOGY

ALBA protein complex reads genic R-loops to maintain genome stability in Arabidopsis

Wei Yuan^{1,2*}, Jincong Zhou^{3*}, Jinjin Tong^{1,2*}, Wanqing Zhuo¹, Lishuan Wang⁴, Yan Li³, Qianwen Sun^{3†}, Weiqiang Qian^{1†}

strand by heating them to 95°C for 5 min and cooling them slowly. The annealing created dsDNA, dsRNA, a DNA-RNA hybrid, and an R-loop structure. The oligonucleotides (5 nM) were incubated with AtALBA1 or AtALBA2 recombinant proteins at 25°C for 10 min. isolation of chromatin, protein Dynabeads G (Invitrogen) beads were incubated with γH2AX and H3 antibodies (ABclonal) in ChIP dilution buffer [1.1% Triton X-100, 1.2 mM EDTA, 16.7 mM tris-HCl (pH 8.0), and 167 mM NaCl, protease inhibitor cocktail] at 4°C



Cell Reports

Article

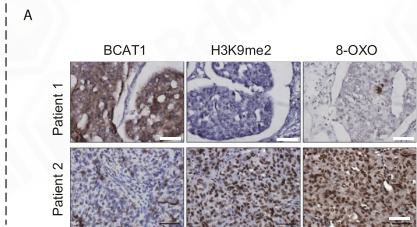
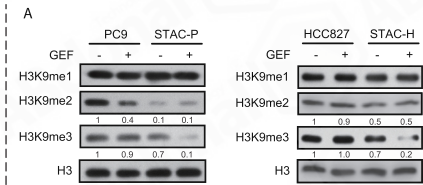
Branched-Chain Amino Acid Metabolic Reprogramming Orchestrates Drug Resistance to EGFR Tyrosine Kinase Inhibitors

Graphical Abstract

Authors

Yuetong Wang, Jian Zhang, Shengxiang Ren, ..., Liang Hu, Caicun Zhou, Hongbin Ji

BCAT1	CST	Cat# 12822; RRID:AB_2798035
H3K9me1	ABclonal	Cat# A2358; RRID:AB_2721265
H3K9me2	ABclonal	Cat# A2359; RRID:AB_2764319
H3K9me3	ABclonal	Cat# A2360; RRID:AB_2721266



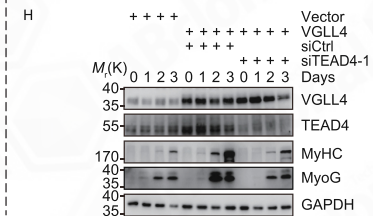
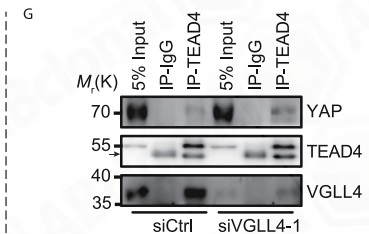
Article



Dual function of VGLL4 in muscle regeneration

Xue Feng^{1,†}, Zuoyun Wang^{1,†}, Fei Wang^{1,†}, Tiantian Lu¹, Jinjin Xu¹, Xueyan Ma¹, Jinhui Li¹, Lingli He¹, Wenxiang Zhang¹, Sheng Li¹, Wenjun Yang¹, Shu Zhang¹, Gaoxiang Ge¹, Yun Zhao^{1,2}, Ping Hu^{1,3,*} & Lei Zhang^{1,2,**}

sc-12732), mouse anti-MyoD (1:1,000, Santa Cruz, sc-32758), rabbit anti-VGLL4 (1:1,000, ABclonal, A18248), rabbit anti-TEAD1 (1:1,000, ABclonal, A6768), rabbit anti-TEAD2 (1:1,000, ABclonal, A15594), rabbit anti-TEAD3 (1:1,000, ABclonal, A7454), mouse anti-



Animal models

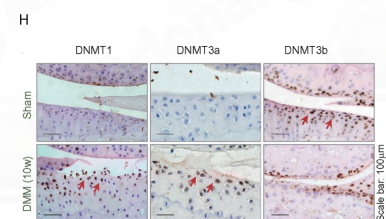
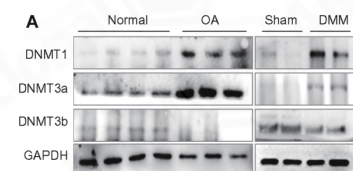
TRANSLATIONAL SCIENCE

PPAR γ preservation via promoter demethylation alleviates osteoarthritis in mice

Xiaobo Zhu,¹ Fang Chen,² Ke Lu,¹ Ai Wei,² Qing Jiang,^{1,3} Wangsen Cao²

(Santa Cruz, USA); Collagen2 (Boster, China); Aggrecan (Millipore, USA); DNMT1(Novus, USA); DNMT3a and DNMT3b (ABclonal, Wuhan, China) and Catalase (Abcam, Cambridge,

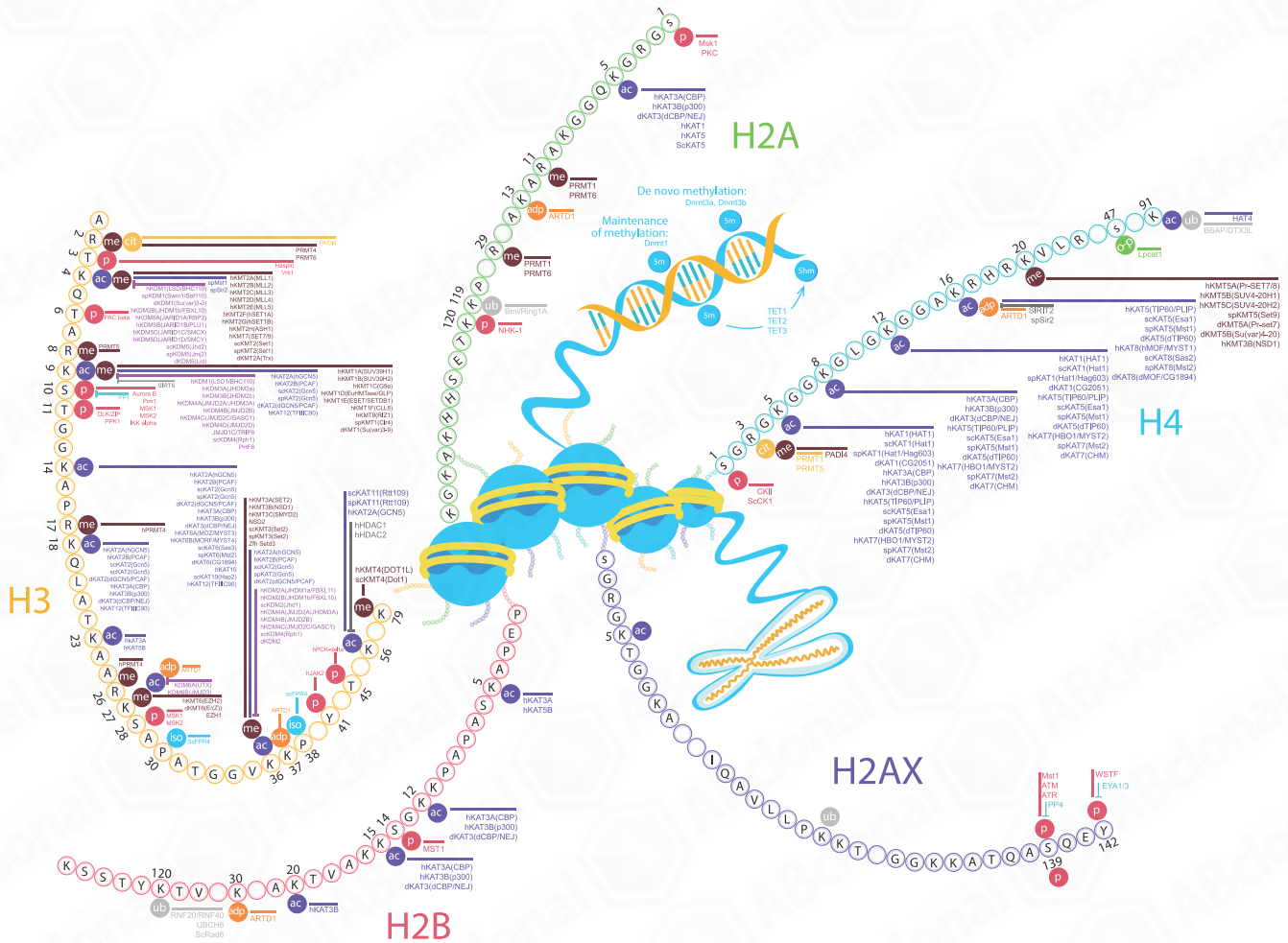
reaction were randomly chosen for sequencing and the percentages of methylated cytosines over total cytosines within the cloned fragment were calculated.



Epigenetic Modifications

Key | Histone and DNA modifications

- ac Acetylation
- cit Deimination
- me Methylation
- ub Ubiquitination
- o-p O-palmitoylation
- adp ADP Ribosylation
- Deacetylation
- P Phosphorylation
- Demethylation
- iso Isomerization
- Dephosphorylation
- 5m 5-Methylcytosine
- 5hm 5-Hydroxymethylcytosine



Epigenetics is the study of changes in gene expression that are caused by certain base pairs in DNA or RNA, being “turned off” or “turned on,” through chemical reactions. In biology, epigenetics is the study of heritable changes that do not involve changes to the underlying DNA sequence; to a lesser extent, epigenetics also describes the study of stability and long-term alterations in the transcriptional potential of a cell that are not necessarily heritable.

Epigenetic changes can modify the activation of certain genes, but not the sequence of DNA. Additionally, the chromatin proteins associated with DNA may be activated or silenced. This is why the different cells in a multi-cellular organism only express the genes that are necessary for their own activities.

高分SCI引用抗体精选

名称	货号	物种	应用	PMID	标题	期刊名称
METTL3	A8370	Human	WB IF	28297716	RNA m6A methylation regulates the ultraviolet-induced DNA damage response.	Nature
FIP1L1	A5016	Human	WB CHIP	31251911	Pervasive Chromatin-RNA Binding Protein Interactions Enable RNA-Based Regulation of Transcription.	Cell
Phospho-eIF2 α -S51	AP0342	Human	WB	31031002	Structure and Degradation of Circular RNAs Regulate PKR Activation in Innate Immunity.	Cell
SETD2	A3194	Human	WB	28753426	Methyltransferase SETD2-Mediated Methylation of STAT1 Is Critical for Interferon Antiviral Activity	Cell
MRPS27	A4527	Human Mouse	WB	25083871	MicroRNA directly enhances mitochondrial translation during muscle differentiation	Cell
ZRANB3	A9555	Human	WB	29290468	Stabilization of Reversed Replication Forks by Telomerase Drives Telomere Catastrophe	Cell
FBP1	A5406	Mouse	WB	28218919	Targeting CASP8 and FADD-like apoptosis regulator ameliorates nonalcoholic steatohepatitis in mice and nonhuman primates	Nature medicine
H3K27me3	A2363	Cotton	ChIP	28263319	Asymmetric subgenome selection and cis-regulatory divergence during cotton domestication	Nature genetics
SERPINH1	A2517	Mouse	IF	28457749	An FAK-YAP-mTOR Signaling Axis Regulates Stem Cell-Based Tissue Renewal in Mice	Cell Stem Cell
P70 S6K	A2190	Mouse	WB	30527742	The Circadian Protein Period2 Suppresses mTORC1 Activity via Recruiting Tsc1 to mTORC1 Complex.	Cell metabolism
PER2	A3217	Mouse	WB	30527742	The Circadian Protein Period2 Suppresses mTORC1 Activity via Recruiting Tsc1 to mTORC1 Complex.	Cell metabolism
Hsp60	A0969	Mouse	WB	30650373	Fever Promotes T Lymphocyte Trafficking via a Thermal Sensory Pathway Involving Heat Shock Protein 90 and $\alpha 4$ Integrins.	Immunity
TSG101	A1692	Human Mouse	WB	30770248	Specific Decrease in B-Cell-Derived Extracellular Vesicles Enhances Post-Chemotherapeutic CD8+ T Cell Responses.	Immunity
TRIM25	A12938	Human Mouse	WB Co-IP	30193849	The Zinc-Finger Protein ZCCHC3 Binds RNA and Facilitates Viral RNA Sensing and Activation of the RIG-I-like Receptors.	Immunity
c-Jun	A0246	Human	WB	25449213	The long intergenic noncoding RNA UFC1, a target of MicroRNA 34a, interacts with the mRNA stabilizing protein HuR to increase levels of β -catenin in HCC cells	Gastroenterology
HDAC2	A2084	Human	WB IF	28497810	Class I histone deacetylases are major histone deacetylases: evidence for critical and broad function of histone crotonylation in transcription	Cell Research
SOX30	A11759	Mouse	IHC	30061742	Single-cell RNA-seq uncovers dynamic processes and critical regulators in mouse spermatogenesis	Cell research
DNMT3A	A2065	Mouse	WB IHC	31239244	PPAR γ preservation via promoter demethylation alleviates osteoarthritis in mice.	Annals of the rheumatic diseases
H3K4me3	A2357	Mouse	ChIP-seq	30244833	Examining the Roles of H3K4 Methylation States with Systematically Characterized Antibodies	Molecular Cell
PDPK1	A1665	Human Mouse	WB IP IHC	30029001	Macrophage-Associated PGK1 Phosphorylation Promotes Aerobic Glycolysis and Tumorigenesis	Molecular cell
c-Myc	A1309	Human Mouse	ChIP Co-IP	30180281	Hepatitis B Virus Induces Autophagy to Promote its Replication by the Axis of miR - 192 - 3p - XIAP via NF - κ B Signaling	Hepatology (Baltimore, Md.)
H4R3me2a	A2376	Human	ChIP	28236308	PRMT5 restricts hepatitis B virus replication through epigenetic repression of covalently closed circular DNA transcription and interference with pregenomic RNA encapsidation	Hepatology
Phospho-Stat3-Y705	AP0070	Mouse	IF	28450306	Osteoblasts support megakaryopoiesis through production of interleukin-9	Blood
[KO Validated] STAT3	A1192	Mouse	WB	27500489	Disruption of Gpr45 causes reduced hypothalamic POMC expression and obesity	Journal Of Clinical Investigation
[KO Validated] PTPN1	A1590	Mouse	WB	26026874	Sirt1 mediates the effect of the heme oxygenase inducer, cobalt protoporphyrin, on ameliorating liver metabolic damage caused by a high-fat diet	Journal Of Hepatology
[KO Validated] SETD7	A9985	Human	WB	30405104	Dynamic ubiquitylation of Sox2 regulates proteostasis and governs neural progenitor cell differentiation.	Nature communications
GATA3	A1638	Mouse	WB	30323192	SHQ1 regulation of RNA splicing is required for T-lymphoblastic leukemia cell survival.	Nature Communications
NONO	A5282	Mouse	WB IP IF	30940803	The lncRNA Neat1 promotes activation of inflammasomes in macrophages.	Nature communications
c-Fos	A0236	Mouse	WB	28842554	CDYL suppresses epileptogenesis in mice through repression of axonal Nav1.6 sodium channel expression	Nature communications
[KO Validated] EIF4EBP1	A1248	Mouse	WB	28541289	miR-29b contributes to multiple types of muscle atrophy	Nature communications
ZEB1	A5600	Human	WB	29030587	NatD promotes lung cancer progression by preventing histone H4 serine phosphorylation to activate Slug expression	Nature Communications
Phospho-STAT1-Y701	AP0135	Mouse	WB	27966526	Osteoblasts secrete Cxcl9 to regulate angiogenesis in bone	Nature communications
Phospho-STAT1-S727	AP0453	Mouse	WB	27966526	Osteoblasts secrete Cxcl9 to regulate angiogenesis in bone	Nature communications
CTBP2	A2257	Human	IP WB	28947780	ZNF516 suppresses EGFR by targeting the CtBP/LSD1/CoREST complex to chromatin	Nature communications
STAT1	A0027	Human	WB	27621415	PKA regulatory I α subunit is essential for PGD2-mediated resolution of inflammation	Journal of experimental medicine
H3K27ac	A7253	maize	IF	31201335	Chromatin interaction maps reveal genetic regulation for quantitative traits in maize.	Nature communications
H3K9me2	A2359	Insect cells	WB	30854428	A methylation-phosphorylation switch determines PIK1 kinase activity and function in DNA damage repair.	Science advances
TFB1M	A15231	Human	WB IP IF	31251801	Structural insights into dimethylation of 12S rRNA by TFB1M: indispensable role in translation of mitochondrial genes and mitochondrial function.	Nucleic acids research
KNTC1	A13064	Human	WB IF CO-IP	31291454	ULK1 phosphorylates Mad1 to regulate spindle assembly checkpoint	Nucleic acids research
Phospho-IkBa-S32/36	AP0614	Mouse	WB	31247479	Regulation of an osteon-like concentric microgrooved surface on osteogenesis and osteoclastogenesis.	Biomaterials
EZH1	A5818	Human	IP	28320739	A covalently bound inhibitor triggers EZH2 degradation through CHIP-mediated ubiquitination	EMBO journal
[KO Validated] YAP1	A1002	Human	ChIP	29207260	A Balance of Yki/Sd Activator and E2F1/Sd Repressor Complexes Controls Cell Survival and Affects Organ Size	Developmental cell
[KO Validated] HDAC1	A0238	Rat	WB IP CHIP	28186506	Epigenetic regulation of HDAC1 SUMOylation as an endogenous neuroprotection against A β toxicity in a mouse model of Alzheimer's disease	Cell Death And Differentiation
NF- κ B p65	A2547	Human	ChIP	28475173	MicroRNA-30a attenuates mutant KRAS-driven colorectal tumorigenesis via direct suppression of ME1	Cell Death And Differentiation
TET2	A1526	Mouse	CHIP	30404004	SNIP1 Recruits TET2 to Regulate c-MYC Target Genes and Cellular DNA Damage Response.	Cell reports
IRF3	A0816	Human	WB	26364603	Neddylaton controls basal MKK7 kinase activity in breast cancer cells	Oncogene
SOX2	A0561	Human	WB IF	28394339	NSPC1 promotes cancer stem cell self-renewal by repressing the synthesis of all-trans retinoic acid via targeting RDH16 in malignant glioma	Oncogene
4-Oct	A7920	Human	WB	28394339	NSPC1 promotes cancer stem cell self-renewal by repressing the synthesis of all-trans retinoic acid via targeting RDH16 in malignant glioma	Oncogene
Histone H2AX	A2082	Human	WB	28481869	The transcription factor GATA3 is required for homologous recombination repair by regulating CtIP expression	Oncogene
[KO Validated] HMGB1	A2553	Human	WB	27624805	Blockade of β -catenin signaling attenuates toluene diisocyanate-induced experimental asthma	Allergy



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