# DiMethyl-Histone H3-K36 Rabbit mAb

www.abclonal.com

**ABclonal** 

Catalog No.: A22221 Recombinant

### **Basic Information**

### **Observed MW**

17kDa

#### **Calculated MW**

16kDa

## Category

Primary antibody

### **Applications**

ELISA, DB, WB, IHC-P

### **Cross-Reactivity**

Human, Mouse, Rat, Other (Wide Range Predicted)

## CloneNo number

ARC54173

# **Background**

Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-dependent histone that is a member of the histone H3 family. Transcripts from this gene lack polyA tails; instead, they contain a palindromic termination element. This gene is located separately from the other H3 genes that are in the histone gene cluster on chromosome 6p22-p21.3.

### **Recommended Dilutions**

DB	1:1000 - 1:5000
WB	1:1000 - 1:5000
IUC B	1.50 1.200

# **Immunogen Information**

Gene ID	Swiss Prot		
8290/8350	O16695/P68431		

### **Immunogen**

A synthetic dimethylated peptide around K36 of human Histone H3 (NP\_003520.1).

### **Synonyms**

H3t; H3.4; H3/g; H3FT; H3C16; HIST3H3; DiMethyl-Histone H3-K36

# **Contact**

2		400-999-6126
$\bowtie$		cn.market@abclonal.com.cn
•	T	www.abclonal.com.cn

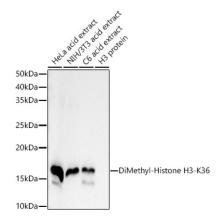
# **Product Information**

Source	Isotype	Purification		
Rabbit	IgG	Affinity purification		

#### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.



Western blot analysis of various lysates, using DiMethyl-Histone H3-K36 Rabbit mAb (A22221) at 1:2000 dilution

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

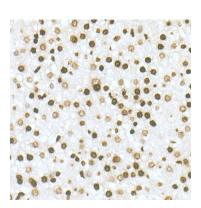
Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021).

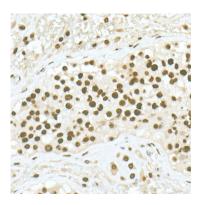
Exposure time: 90s.

	10nd	,oong	10nd	100ng	10ng	10000	ong,	LOUNG
H3K9	0	0	0	0	0	0	0	0
H3K14	0	0	0	0	0	0	0	0
H3K27	О	0	0	0	D	0	0	D
H3K36	0	0	0	0	0	•	0	0
H3K79	0	0	0	0	D	0	0	D
- 1	me0	)	me1		me2	2	me:	3

Dot-blot analysis of all sorts of peptides using DiMethyl-Histone H3-K36 Rabbit mAb antibody (A22221) at 1:2000 dilution.



Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded human liver cancer using DiMethyl-Histone H3-K36 Rabbit mAb (A22221) at dilution of 1:400 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of DiMethyl-Histone H3-K36 in paraffin-embedded human testis using DiMethyl-Histone H3-K36 Rabbit mAb (A22221) at dilution of 1:400 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.