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KDM1/LSD1 Rabbit mAb

Catalog No.: A29390 Recombinant

Basic Information

Observed MW
110 kDa

Calculated MW
93-95 kDa

Category
Primary antibody

Applications
WB,IP,IF/ICC,IF-P,IHC-P,ChIP,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC3357

Background

This gene encodes a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an amine oxidase domain. This protein is a component of several histone deacetylase complexes, though it silences genes by functioning as a histone demethylase. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:2000 - 1:15000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IF/ICC	1:200 - 1:400
IF-P	1:200 - 1:400
IHC-P	1:200 - 1:800
ChIP	5 μg antibody for 20 μg - 25 μg of Chromatin
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement

Immunogen Information

Gene ID
23028

Swiss Prot
O60341

Immunogen
This information is considered to be commercially sensitive.

Synonyms
AOF2; CPRF; KDM1; LSD1; AIMAH3; BHC110

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

accuracy.

Contact

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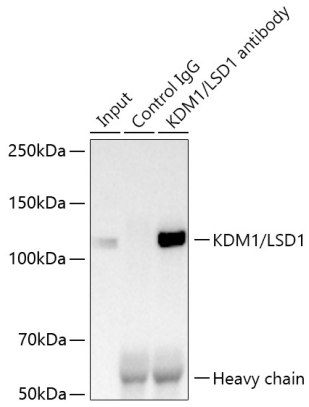
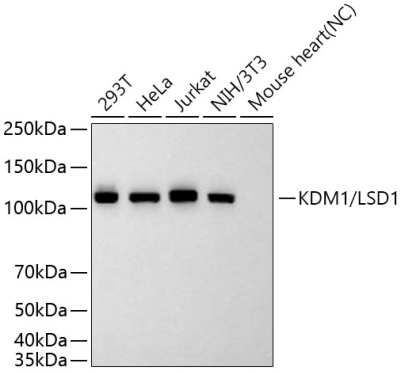
✉	cn.market@abclonal.com.cn
🌐	www.abclonal.com.cn

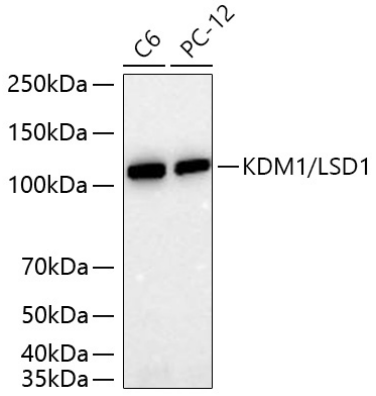
Validation Data



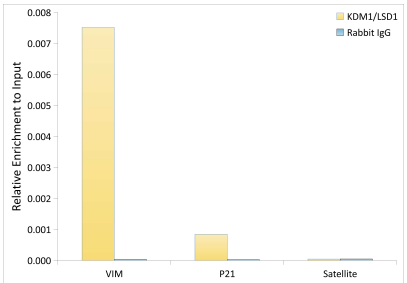
Immunoprecipitation of KDM1/LSD1 from 300 µg extracts of Jurkat cells was performed using 2 µg of KDM1/LSD1 Rabbit mAb (A29390). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using KDM1/LSD1 Rabbit mAb (A29390) at a dilution of 1:10000.



Western blot analysis of various lysates using KDM1/LSD1 Rabbit mAb (A29390) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Mouse heart.
Exposure time: 45 s.

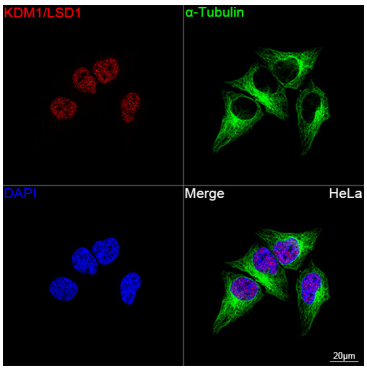


Western blot analysis of various lysates using KDM1/LSD1 Rabbit mAb (A29390) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90 s.

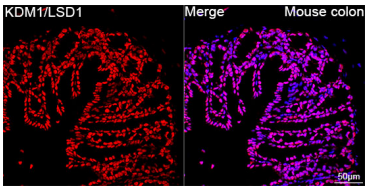


Chromatin immunoprecipitation was performed with 25 µg of cross-linked chromatin from HCT 116 cells, using 5 µg of KDM1/LSD1 Rabbit mAb (A29390) and Rabbit IgG isotype control (AC042). The enrichment of immunoprecipitated DNA at different genomic loci was examined by quantitative PCR. The histogram compares the ratio of the immunoprecipitated DNA to the input at given loci.

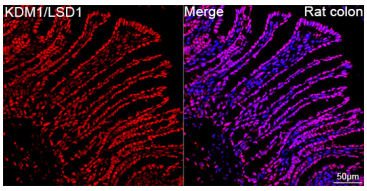
Validation Data



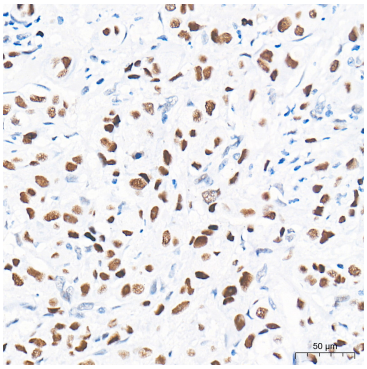
Confocal imaging of HeLa cells using KDM1/LSD1 Rabbit mAb (A29390, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



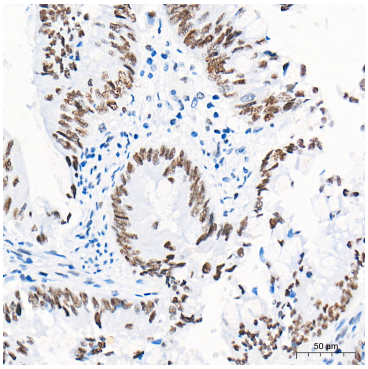
Confocal imaging of paraffin-embedded Mouse colon tissue using KDM1/LSD1 Rabbit mAb (A29390, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



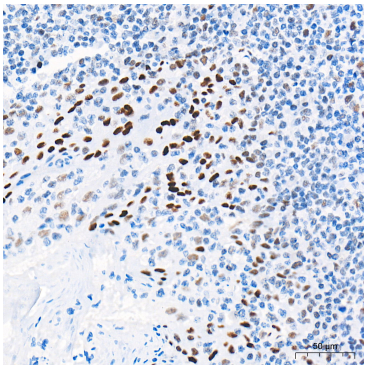
Confocal imaging of paraffin-embedded Rat colon tissue using KDM1/LSD1 Rabbit mAb (A29390, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



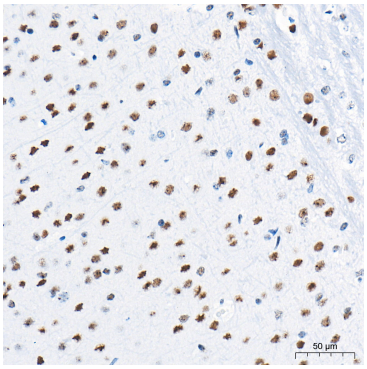
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using KDM1/LSD1 Rabbit mAb (A29390) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



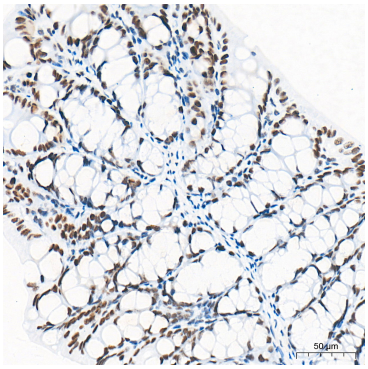
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using KDM1/LSD1 Rabbit mAb (A29390) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



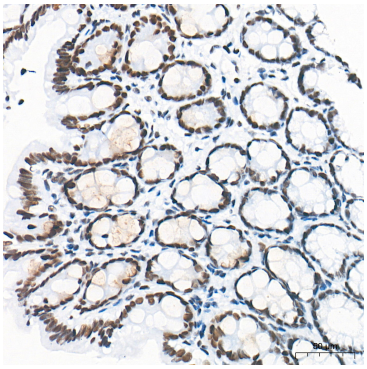
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using KDM1/LSD1 Rabbit mAb (A29390) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using KDM1/LSD1 Rabbit mAb (A29390) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using KDM1/LSD1 Rabbit mAb (A29390) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat colon tissue using KDM1/LSD1 Rabbit mAb (A29390) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.