

KDM4B Recombinant Rabbit mAb

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Catalog # AP94367

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Chromosome. Associates with euchromatic regions. Does not associate with heterochromatin.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Enables histone H3-methyl-lysine-36 demethylase activity and histone H3-methyl-lysine-9 demethylase activity. Involved in histone H3-K36 demethylation and histone H3-K9 demethylation. Located in cytosol and nucleoplasm. Implicated in autosomal dominant non-syndromic intellectual disability; breast cancer; colorectal cancer; malignant peripheral nerve sheath tumor; and stomach cancer. Biomarker of several diseases, including alopecia areata; lung cancer; medulloblastoma; prostate cancer; and stomach cancer. [provided by Alliance of Genome Resources, Apr 2022]

Additional Information

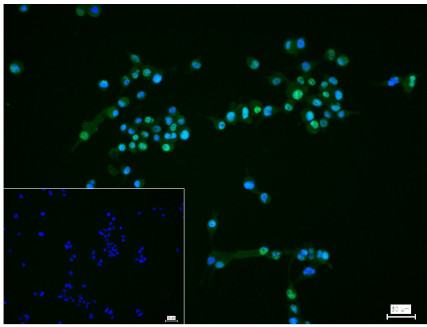
Dilution	WB=1:500-2000, ICC/IF=1:50-200, Flow-Cyt=1:50-100, IHC-P=1:50-200, IHC-F=1:50-200, IF=1:50-200
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

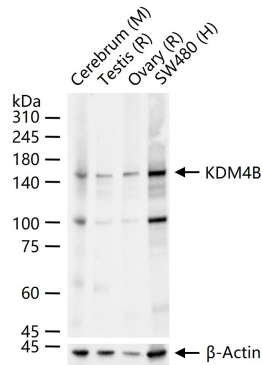
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Images

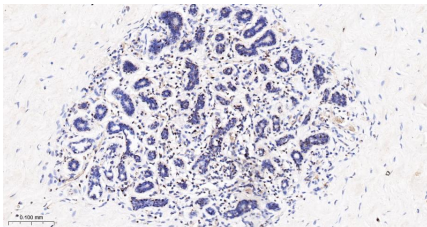
4% Paraformaldehyde-fixed LNCaP (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (KDM4B)



monoclonal Antibody, unconjugated (AP94367) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, AP94367-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



25 ug total protein per lane of various lysates (see on figure) probed with KDM4B monoclonal antibody, unconjugated (AP94367) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Breast; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with KDM4B Monoclonal Antibody, Unconjugated (AP94367) at 1:200 overnight at 4°C, followed by conjugation to the AP94367-HRP and DAB (C-0010) staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.