

# KDM1A Rabbit pAb

Catalog No.: A21801

## Basic Information

### Observed MW

110kDa

### Calculated MW

93kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC

### Cross-Reactivity

Human, Mouse, Rat

## 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	1:100 - 1:500
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200

## Immunogen Information

### Gene ID

23028

### Swiss Prot

O60341

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 130-380 of human KDM1A (NP\_055828.2).

### Synonyms

AOF2; CPRF; KDM1; LSD1; BHC110; KDM1A

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

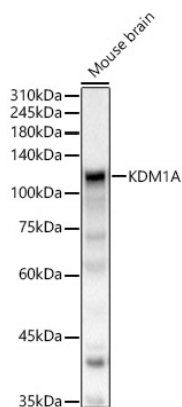
Affinity purification

### Storage

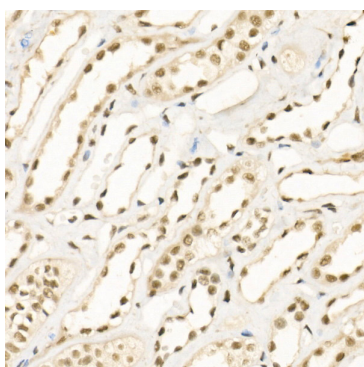
Store at -20°C. Avoid freeze / thaw cycles.

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

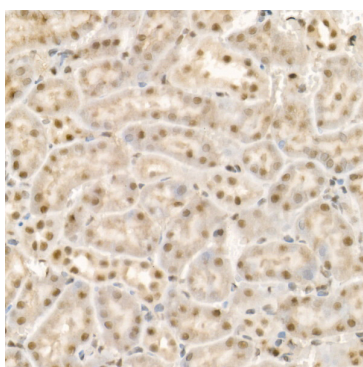
## Validation Data



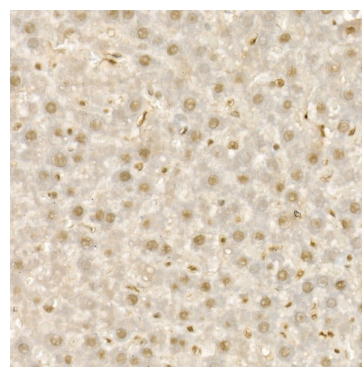
Western blot analysis of lysates from Mouse brain, using KDM1A Rabbit pAb (A21801) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 20s.



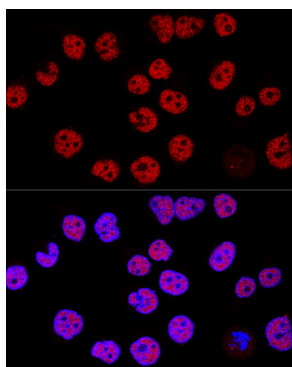
Immunohistochemistry analysis of paraffin-embedded human kidney using KDM1A Rabbit pAb (A21801) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded mouse kidney using KDM1A Rabbit pAb (A21801) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat liver using KDM1A Rabbit pAb (A21801) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Confocal immunofluorescence analysis of HeLa cells using KDM1A Rabbit pAb (A21801) at dilution of 1:200. Blue: DAPI for nuclear staining.