

A4755

Leader in Biomolecular Solutions for Life Science



# KDM5A Rabbit mAb

Catalog No.: A4755

Recombinant

3 Publications

## Basic Information

### Observed MW

200kDa

### Calculated MW

192kDa

### Category

SMab Recombinant Monoclonal  
Antibody

### Applications

WB,IP,ChIP,ELISA

### Cross-Reactivity

Human,Mouse

### CloneNo number

ARC1120

## Background

This gene encodes a member of the Jumonji, AT-rich interactive domain 1 (JARID1) histone demethylase protein family. The encoded protein plays a role in gene regulation through the histone code by specifically demethylating lysine 4 of histone H3. The encoded protein interacts with many other proteins, including retinoblastoma protein, and is implicated in the transcriptional regulation of Hox genes and cytokines. This gene may play a role in tumor progression.

## Recommended Dilutions

**WB** 1:500 - 1:2000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts  
of whole cells

**ChIP** 2µg antibody for  
10µg-15µg of  
Chromatin

**ELISA** Recommended starting  
concentration is 1  
µg/mL. Please optimize  
the concentration  
based on your specific  
assay requirements.

## Immunogen Information

### Gene ID

5927

### Swiss Prot

P29375

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

RBP2; RBBP2; RBBP-2; KDM5A

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

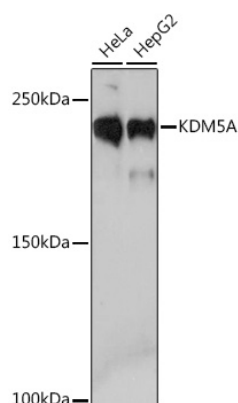
Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Contact

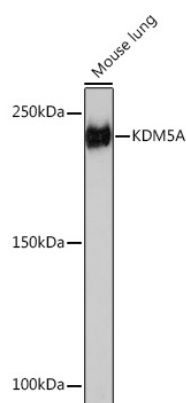


[www.abclonal.com](http://www.abclonal.com)

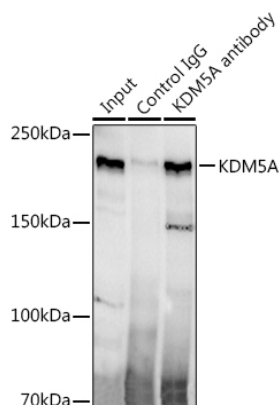
## Validation Data



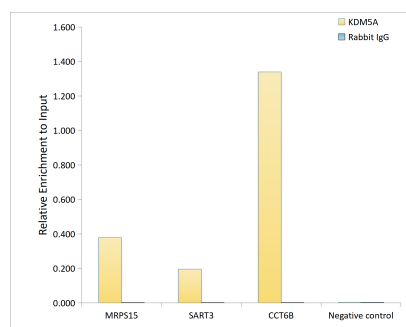
Western blot analysis of various lysates using KDM5A Rabbit mAb (A4755) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 3min.



Western blot analysis of lysates from Mouse lung, using KDM5A Rabbit mAb (A4755) at 1:1000 dilution.  
 Secondary antibody: HRP-conjugated 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: 3min.



Immunoprecipitation analysis of 300 µg extracts of HeLa cells using 3 µg KDM5A antibody (A4755). Western blot was performed from the immunoprecipitate using KDM5A antibody (A4755) at a dilution of 1:500.



Chromatin immunoprecipitation analysis of extracts of HCT116 cells, using KDM5A antibody (A4755) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.