

# Prdm9 Rabbit mAb

Catalog No.: A20832 **Recombinant**

## Basic Information

### Observed MW

110kDa

### Calculated MW

97kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, CUT&Tag

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC51589

## Background

Enables DNA binding activity; histone-lysine N-methyltransferase activity; and protein homodimerization activity. Involved in several processes, including gamete generation; histone lysine methylation; and meiosis I. Acts upstream of or within several processes, including histone methylation; positive regulation of meiotic nuclear division; and positive regulation of transcription by RNA polymerase II. Located in chromatin and nucleus. Is expressed in embryo and head. Orthologous to human PRDM9 (PR/SET domain 9).

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>IHC-P</b>	1:500 - 1:1000
<b>CUT&amp;Tag</b>	10 <sup>5</sup> cells /1 µg

## Immunogen Information

### Gene ID

213389

### Swiss Prot

Q96EQ9

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 87-370 of mouse Prdm9 (NP\_659058.3).

### Synonyms

Rcr1; Dsbc1; repro7; Meisetz; PRDM9-B; G1-419-29; Prdm9

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

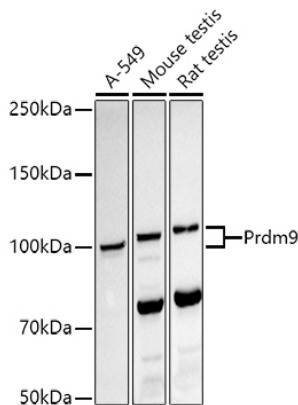
Affinity purification

### Storage

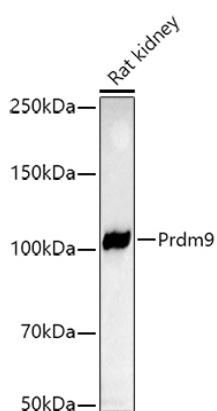
Store at -20°C. Avoid freeze / thaw cycles.

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

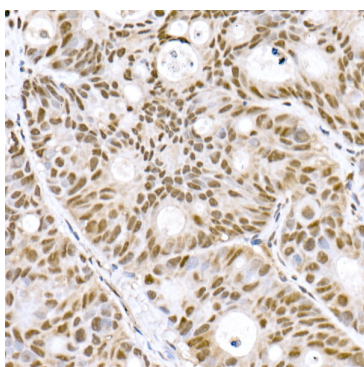
## Validation Data



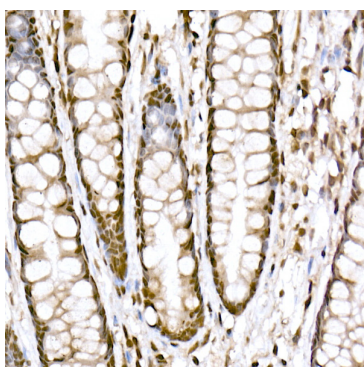
Western blot analysis of various lysates using Prdm9 Rabbit mAb (A20832) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



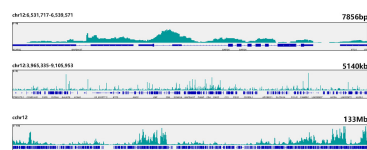
Western blot analysis of lysates from Rat kidney, using Prdm9 Rabbit mAb (A20832) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma using Prdm9 Rabbit mAb (A20832) at dilution of 1:800 (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 human colon using Prdm9 Rabbit mAb (A20832) at dilution of 1:800 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



CUT&Tag was performed using the CUT&Tag Assay Kit (pAG-Tn5) for Illumina(RK20265) from  $10^5$  Hep G2 cells with 1 µg Prdm9 Rabbit mAb (A20832), along with a Goat Anti-Rabbit IgG(H+L). The CUT&Tag results indicate the enrichment pattern of Prdm9 in representative gene loci (GAPDH), as shown in figure.