

# [KO Validated] DNMT3A Rabbit mAb

Catalog No.: A19659

**KO** Validated

Recombinant

3 Publications

## Basic Information

### Observed MW

85kDa/95kDa/130kDa

### Calculated MW

102kDa

### Category

Primary antibody

### Applications

ELISA, WB, IP

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC0138

## Background

CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated.

## Recommended Dilutions

**WB** 1:100 - 1:500

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

## Immunogen Information

### Gene ID

1788

### Swiss Prot

Q9Y6K1

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 550-650 of human DNMT3A (Q9Y6K1).

### Synonyms

TBRS; HESJAS; DNMT3A2; M.HsaIIIA; 3A

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

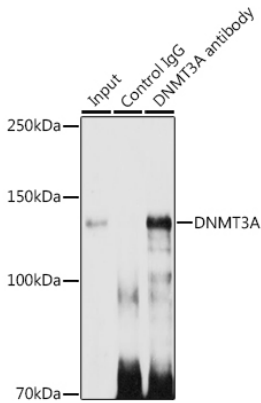
Affinity purification

### Storage

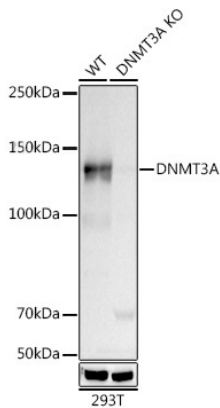
Store at -20°C. Avoid freeze / thaw cycles.

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

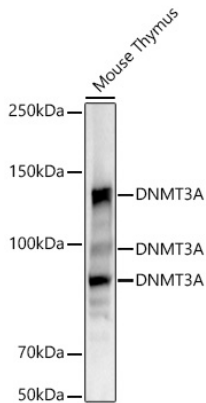
Validation Data



Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg DNMT3A antibody (A19659). Western blot was performed from the immunoprecipitate using DNMT3A antibody (A19659) at a dilution of 1:1000.



Western blot analysis of lysates from wild type (WT) and DNMT3A knockout (KO) 293T cells, using [KO Validated] DNMT3A (A19659) 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: 30s.



Western blot analysis of lysates from Mouse Thymus, using DNMT3A Rabbit mAb (A19659) at 1:500 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 30s.