

[KO Validated] DNMT3A Rabbit mAb

Catalog No.: A19659 **KO Validated** **Recombinant** **4 Publications**

Basic Information

Observed MW

85kDa/95kDa/130kDa

Calculated MW

102kDa

Category

Primary antibody

Applications

WB,IP,ELISA

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	1:500 - 1:2000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

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	www.abclonal.com.cn

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

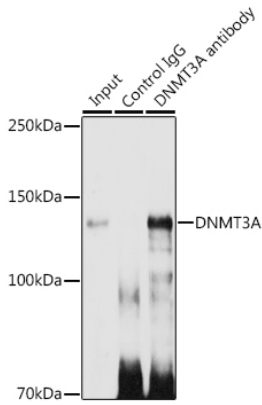
Affinity purification

Storage

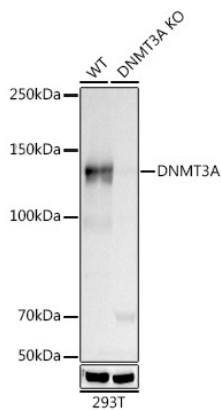
Store at -20°C. Avoid freeze / thaw cycles.

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

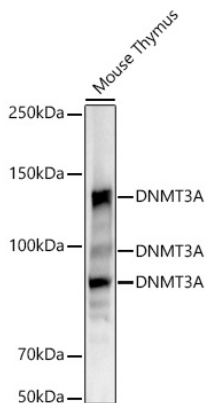
Validation Data



Immunoprecipitation of DNMT3A from 300 µg extracts of 293T cells was performed using 3 µg of DNMT3A antibody (A19659). Rabbit IgG isotype control (AC042) was used to precipitate the Control IgG sample. IP samples were eluted with 1X reducing Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted 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 incubated overnight at 4°C. 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: 30s.



Western blot analysis of lysates from Mouse Thymus using DNMT3A Rabbit mAb (A19659) at 1:500 dilution incubated overnight at 4°C. 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: 30s.