

[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 - 1:1000

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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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

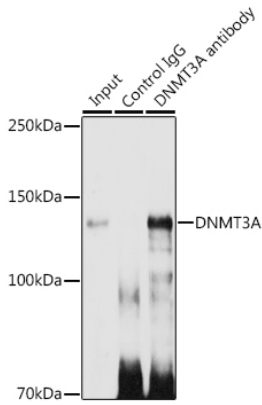
Affinity purification

Storage

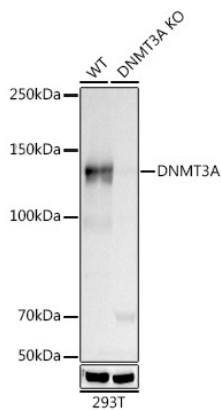
Store at -20°C. Avoid freeze / thaw cycles.

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

Validation Data



Immunoprecipitation analysis of 300 μ g extracts of 293T cells using 3 μ g 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.

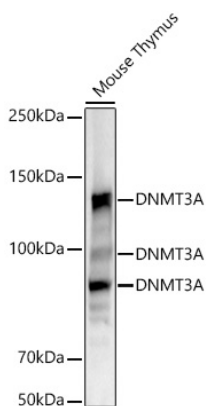
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g 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-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 μ g per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 30s.