

DNMT3A Rabbit pAb

Catalog No.: A3169

4 Publications

Basic Information

Observed MW

95kDa

Calculated MW

102kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

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

IF/ICC 1:50 - 1:20

Immunogen Information

Gene ID

1788

Swiss Prot

Q9Y6K1

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 500-700 of human DNMT3A (NP_072046.2).

Synonyms

TBRS; HESJAS; DNMT3A2; M.HsaIIIA; DNMT3A

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

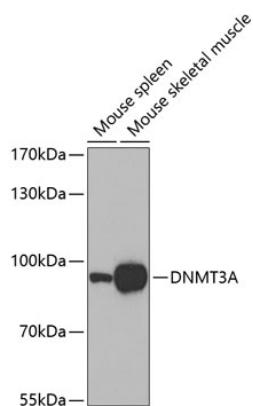
Affinity purification

Storage

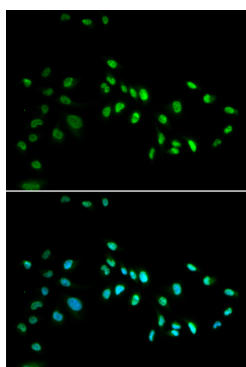
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using DNMT3A antibody (A3169).
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: 90s.



Immunofluorescence analysis of A549 cells using DNMT3A antibody (A3169).