

DNMT3A

Reactivity: Human

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

Calculated MW: 101kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human DNMT3A

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

1 mg/ml

Synonym:

DNMT3A2; M.HsaIIIA;

Catalog #: A6503

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1788

Isotype: IgG

Swiss Prot: Q9Y6K1

Purity: Affinity purification

For research use only.

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. Alternative splicing results in multiple transcript variants encoding different isoforms.

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