

## 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:**

1mg/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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