

## DNMT3A

**Reactivity:** Human Rat

**Tested applications:** WB ICC IF

**Recommended Dilution:** WB 1:500 - 1:2000 ICC 1:50 - 1:200 IF 1:50 - 1:100

**Calculated MW:** 120 kDa

**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.

**Synonym:**

TBR5; DNMT3A2; M.HsaIIIA;

**Catalog #:** A10844

**Antibody Type:**

Monoclonal 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.

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