

## DNMT3B

**Reactivity:**Human Mouse Rat

**Tested applications:**WB

**Recommended Dilution:**WB 1:500 - 1:2000

**Calculated MW:**96kDa

**Observed MW:**Refer to figures

**Immunogen:**

Recombinant protein of human DNMT3B

**Storage Buffer:**

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

**Concentration:**

f

**Synonym:**

ICF; ICF1; M.HsallIB;

**Catalog #:**A7239

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**1789

**Isotype:**IgG

**Swiss Prot:**Q9UBC3

**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 which is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes primarily to the nucleus and its expression is developmentally regulated. Mutations in this gene cause the immunodeficiency-centromeric instability-facial anomalies (ICF) syndrome. Eight alternatively spliced transcript variants have been described. The full length sequences of variants 4 and 5 have not been determined.

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