

## Product datasheet for **TA327439**

### DNMT3B Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB 1:200 - 1:1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide of human DNMT3B
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	96 kDa
Gene Name:	DNA (cytosine-5-)-methyltransferase 3 beta
Database Link:	<a href="#">NP_008823</a> <a href="#">Entrez Gene 13436 MouseEntrez Gene 444985 RatEntrez Gene 1789 Human Q9UBC3</a>



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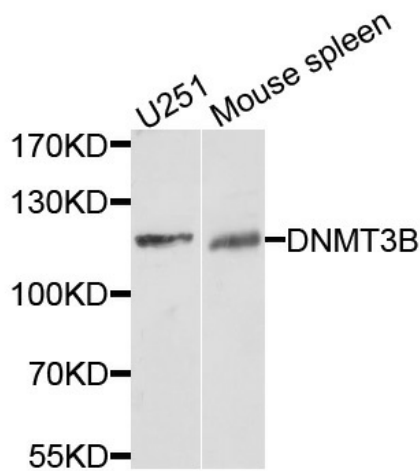
**Background:** CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase which is thought 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. [provided by RefSeq, May 2011]

**Synonyms:** ICF; ICF1; M.Hsa11B

**Protein Families:** Druggable Genome, Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency

**Protein Pathways:** Cysteine and methionine metabolism, Metabolic pathways

**Product images:**



Western blot analysis of extracts of various cells, using DNMT3B antibody.