

Product datasheet for **TA347117**

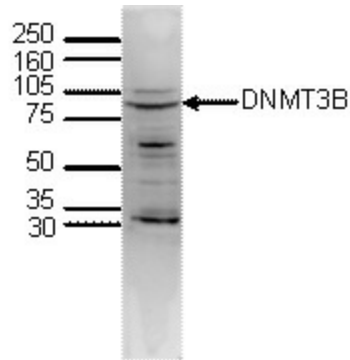
DNMT3B Rabbit Polyclonal Antibody

Product data:

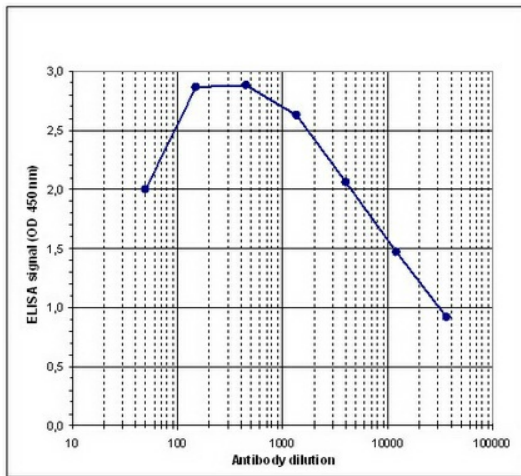
Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA (1:100 ?? 1:500); Western blotting (1:1,000)
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-DNMT3B antibody: mouse DNMT3B (DNA methyltransferase 3B), using a KLH-conjugated synthetic peptide containing a sequence from the N-terminal part of the protein
Concentration:	lot specific
Purification:	Whole antiserum from rabbit containing 0.05% azide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	DNA (cytosine-5-)-methyltransferase 3 beta
Database Link:	NP_787045 Entrez Gene 13436 Mouse Entrez Gene 1789 Human Q9UBC3
Background:	DNMT3B (UniProtKB/Swiss-Prot entry Q9UBC3) catalyses the genome wide de novo methylation of CpG residues, which regulates gene expression. DNMT3B is essential for development. DNA methylation on CpG residues is coordinated with methylation of histones. Six different isoforms of DNMT3B, produced by alternative splicing, exist although isoforms 4 and 5 may not be functional due to the absence of two conserved methyltransferase motifs.
Synonyms:	ICF; ICF1; M.HsaIIIB
Protein Families:	Druggable Genome, Embryonic stem cells, Induced pluripotent stem cells, Stem cell - Pluripotency
Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways



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Product images:


WB using the antibody against DNMT3B diluted 1:1,000 in TBS-Tween containing 5% skimmed milk. The position of the protein of interest is indicated on the right; the MW marker (in kDa) is shown on the left.



Determination of the titer To determine the titer, an ELISA was performed using a serial dilution of the antibody against mouse DNMT3B in antigen coated wells. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:13, 500.