

## Product datasheet for **TA347112**

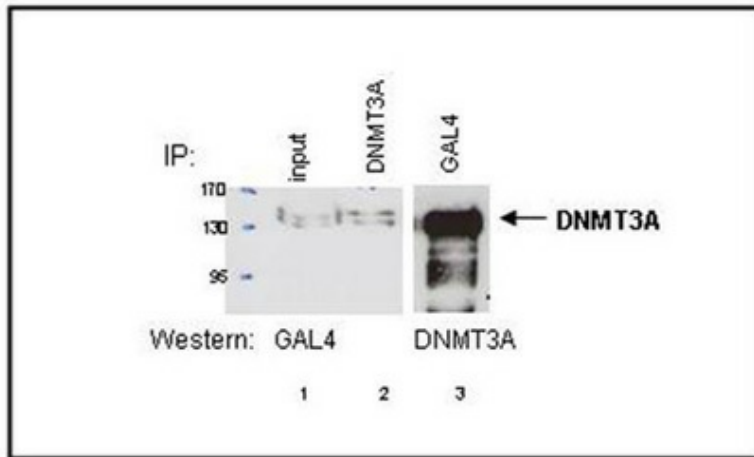
### DNMT3A Rabbit Polyclonal Antibody

#### Product data:

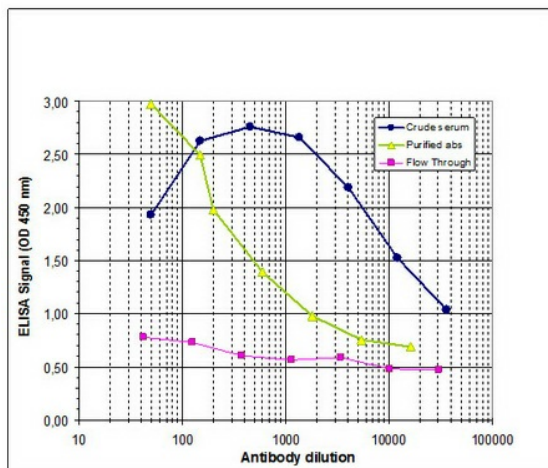
Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA (1:100); Western blotting (1:2,000); Immunoprecipitation (2 µg)
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-DNMT3A antibody: human DNMT3A, (DNA methyltransferase 3A), using a KLH-conjugated synthetic peptide corresponding to amino acids 44-58.
Concentration:	lot specific
Purification:	Affinity purified polyclonal antibody in PBS containing 0.05% azide and 0.05% ProClin 300.
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 alpha
Database Link:	<a href="#">NP_783328</a> <a href="#">Entrez Gene 1788 Human</a> <a href="#">Q9Y6K1</a>
Background:	DNMT3A (UniProtKB/Swiss-Prot entry Q9Y6K1) catalyses the genome wide de novo methylation of CpG residues. DNA methylation on CpG residues by DNMT3A regulates gene expression and is essential for development. DNMT3A is strongly expressed in embryonic stem cells, but low in adult somatic cells. DNA methylation is coordinated with methylation of histones. DNMT3A binds to SETDB1 and HDAC1, and is involved in the repression of transcription from promoters containing an E2F binding site.
Synonyms:	DNMT3A2; M.HsaIIIA; TBRS
Protein Families:	Druggable Genome
Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways



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**Product images:**


WB analysis with anti-GAL4 antibody (lane 1 and 2 respectively). Alternatively, GAL4-DNMT3A was immunoprecipitated and WB analysis was performed with the DNMT3A antibody (diluted 1:2,000) (lane 3).



Determination of the antibody titer To determine the titer of the antibody, an ELISA was performed using a serial dilution of antibody against human DNMT3A, crude serum and Flow Through, in antigen coated wells. By plotting the absorbance against the antibody dilution (Figure 1), the titer of the antibody was estimated to be 1:500.