

## Product datasheet for **TA327251**

### DNMT3A Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IP, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IP, 0.5µg-4µg antibody for 200µg-400µg extracts of whole cells ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	102kDa
Gene Name:	DNA (cytosine-5-)-methyltransferase 3 alpha
Database Link:	<a href="#">NP_072046</a> <a href="#">Entrez Gene 13435 Mouse</a> <a href="#">Entrez Gene 444984 Rat</a> <a href="#">Entrez Gene 1788 Human</a> <a href="#">Q9Y6K1</a>
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.
Synonyms:	DNMT3A2; M.HsaIIIA; TBRS

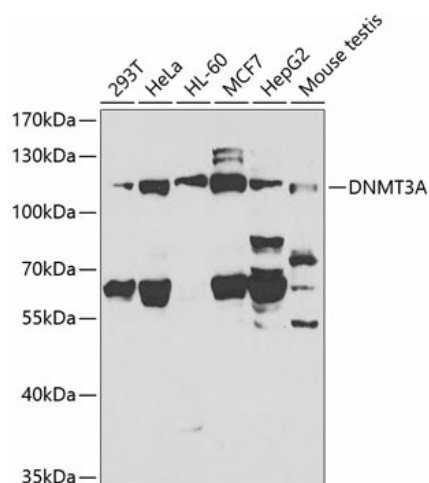


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**Protein Families:** Druggable Genome

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

**Product images:**

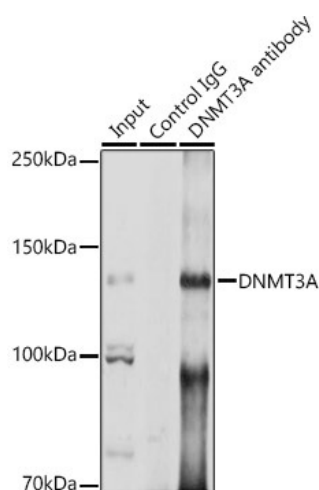


Western blot analysis of various lysates using DNMT3A Rabbit pAb (TA327251) at 1:1000 dilution.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.



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Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.