

Product datasheet for **AP51304PU-N**

DNMT3L (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 354-381 amino acids from the C-terminal region of Human DNMT3L
Specificity:	This antibody recognizes Human DNMT3L (C-term).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	DNA (cytosine-5-)-methyltransferase 3-like
Database Link:	Entrez Gene 29947 Human Q9UJW3



[View online »](#)

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 nuclear protein with similarity to DNA methyltransferases. This protein is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, this protein does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and it is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternative splicing results in two transcript variants. An additional splice variant has been described but its biological validity has not been determined.

Synonyms:

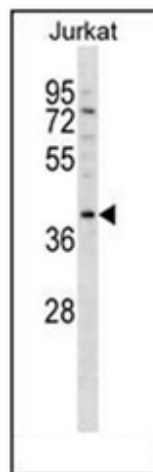
MGC1090

Note:**Molecular Weight:** 43670 Da**Protein Families:**

Druggable Genome, Transcription Factors

Protein Pathways:

Cysteine and methionine metabolism, Metabolic pathways

Product images:

Western blot analysis of DNMT3L Antibody (C-term) in Jurkat cell line lysates (35ug/lane). This demonstrates the DNMT3L antibody detected the DNMT3L protein (arrow).