

## Product datasheet for **AP11060PU-N**

### **DNMT3L (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	ELISA: 1/1,000. Western Bot: 1/100-1/500. Immunohistochemistry: 1/50-1/100.
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	Ig
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 388~417 amino acids from the C-terminal region of Human Dnmt3L.
<b>Specificity:</b>	This antibody is specific to Dnmt3L (C-term).
<b>Formulation:</b>	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	DNA (cytosine-5-)-methyltransferase 3-like
<b>Database Link:</b>	<a href="#">Entrez Gene 29947 Human</a> <a href="#">Q9UJW3</a>



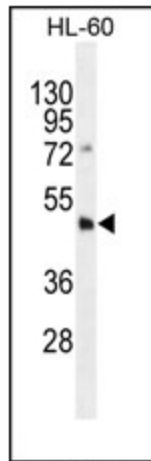
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**Background:**

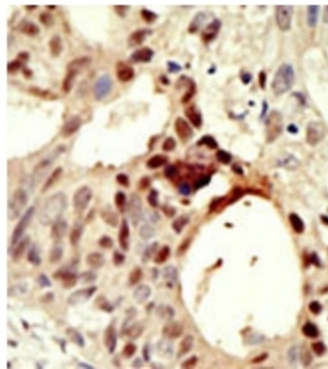
CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a nuclear protein with similarity to DNA methyltransferases. 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

**Product images:**

Western blot analysis using Dnmt3L antibody in HL-60 cell line lysates (35 ug/lane). This demonstrates the DNMT3L antibody detected the DNMT3L protein (arrow).



DNMT3L antibody staining of Formalin-Fixed, Paraffin-Embedded Human cancer tissue using Peroxidase-conjugated secondary antibody, followed by DAB staining.