

Rabbit anti-Human Dnmt3L Polyclonal Antibody | anti-DNMT3L antibody

Dnmt3L Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286020	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

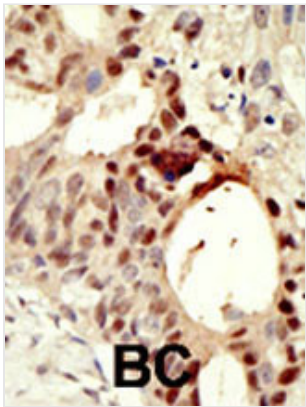
PRODUCT SYNONYMS

Dnmt3L; Polyclonal Antibody; Dnmt3L Antibody (C-term); DNA (cytosine-5)-methyltransferase 3-like; DNMT3L; anti-DNMT3L antibody

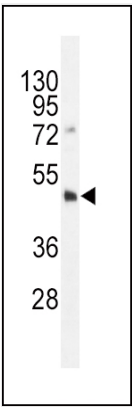
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Dnmt3L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 357-388 amino acids from the C-terminal region of human Dnmt3L.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	357-388
Sequence Length	387
Applicable Applications for anti-DNMT3L antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Dnmt3L-R322 western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the DNMT3L antibody detected the DNMT3L protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT3L antibody	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.
References	Chedin, F., et al., Proc. Natl. Acad. Sci. U.S.A. 99(26):16916-16921 (2002). Kierszenbaum, A.L., Mol. Reprod. Dev. 63(3):269-272 (2002). Deplus, R., et al., Nucleic Acids Res. 30(17):3831-3838 (2002). Hata, K., et al., Development 129(8):1983-1993 (2002). Burgers, W.A., et al., Trends Genet. 18(6):275-277 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	28872778
NCBI GeneID	29947
NCBI Accession #	NP_037501.2; NP_787063.1
NCBI GenBank Nucleotide #	NM_013369.3
UniProt Accession #	Q9UJW3; Q9BUJ4; E9PB42
Molecular Weight	43583
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 3-like isoform 1
NCBI Official Synonym Full Names	DNA (cytosine-5-)-methyltransferase 3-like
NCBI Official Symbol	DNMT3L
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 3-like
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 3-like
UniProt Gene Name	DNMT3L
UniProt Entry Name	DNM3L_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dnmt3l-antibody-immunohistochemistry-western-blot-elisa/286020>