

Rabbit Dnmt3L Polyclonal Antibody | anti-Dnmt3l antibody

Mouse Dnmt3L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286793	Rabbit	Human, mouse (Predicted Reactivity: Rat)	ELISA, Western Blot

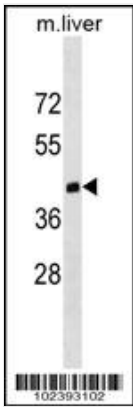
PRODUCT SYNONYMS

Dnmt3L; Polyclonal Antibody; Mouse Dnmt3L Antibody; DNA (cytosine-5)-methyltransferase 3-like; Dnmt3l; anti-Dnmt3l antibody

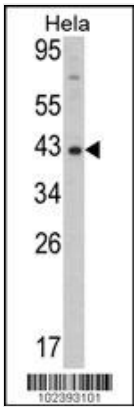
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Mouse Dnmt3L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 389-421 amino acids from mouse 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	389-421
Sequence Length	421
Applicable Applications for anti-Dnmt3l antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	MOUSE
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



WB (Western Blot)
Dnmt3l Antibody (C403) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the Dnmt3l antibody detected the Dnmt3l protein (arrow).



WB (Western Blot)
Western blot analysis of Mouse Dnmt3L Antibody in Hela cell line lysates (35ug/lane). Dnmt3l (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-Dnmt3l antibody	mDnmt3L (DNA methyltransferase 3L) does not appear to be catalytically active due to loss of the critical active site residues. It may function not directly as a DNA methyltransferase but rather as a regulator of methylation at imprinted loci. It is required specifically for the establishment of genomic imprints but is dispensable for their propagation. It is essential for the de novo methylation of single-copy DNA sequences. The protein is well-express in testis, thymus, ovary, and heart. mDnmt3L, which belongs to the 5-cytosine methyltransferase family, contains 1 ADD-type zinc finger.
References	Okazaki, Y., et al., Nature 420(6915):563-573 (2002). Bourc'his, D., et al., Science 294(5551):2536-2539 (2001). Aapola, U., et al., Cytogenet. Cell Genet. 92 (1-2), 122-126 (2001).

NCBI AND UNIPROT INFORMATION

NCBI GI #	126158899
NCBI GeneID	54427
NCBI Accession #	NP_001075164.1; NP_062321.1
NCBI GenBank Nucleotide #	NM_001081695.2
UniProt Accession #	Q9CWR8
Molecular Weight	47993
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 Official Synonym Symbols	ecat7; D6Ert14e
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_MOUSE

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.

