

Rabbit anti-Mouse, Rat Dnmt3l Polyclonal Antibody | anti-DNMT3L antibody

Anti-Dnmt3l Antibody Picoband

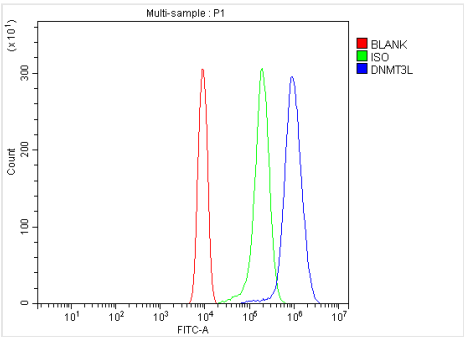
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126366	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

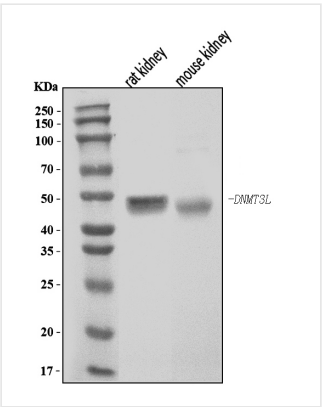
Dnmt3l; Polyclonal Antibody; Anti-Dnmt3l Antibody Picoband; anti-DNMT3L antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-DNMT3L antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse Dnmt3l recombinant protein (Position: A43-L421).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of ANA-1 cells using anti-Dnmt3l antibody (AAA126366).Overlay histogram showing ANA-1 cells stained with AAA126366 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Dnmt3l Antibody (AAA126366, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Dnmt3l using anti-Dnmt3l antibody (AAA126366).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: rat kidney tissue lysates,Lane 2: mouse kidney tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Dnmt3l antigen affinity purified polyclonal antibody (#AAA126366) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Dnmt3l at approximately 44 kDa. The expected band size for Dnmt3l is at 44 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT3L antibody	DNA (cytosine-5)-methyltransferase 3-like is an enzyme that in humans is encoded by the DNMT3L gene. 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 that is a catalytically inactive regulatory factor of DNA methyltransferases. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-DNMT3L antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	126158899
NCBI GeneID	54427
NCBI Accession #	NP_001075164.1
NCBI GenBank Nucleotide #	NM_001081695.2
UniProt Accession #	Q9CWR8
Molecular Weight	47,993 Da
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; D6ErtD14e
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 3-like; 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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dnmt3l-antibody-flow-cytometry-western-blot-elisa/126366>