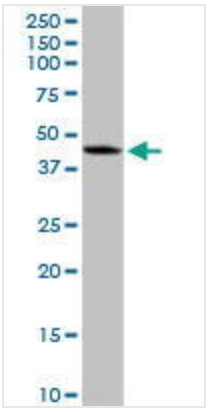
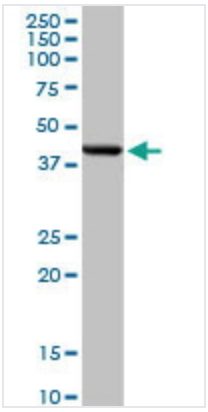
# DNMT3L Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

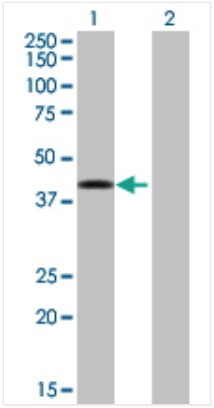
| | |
|---|---|
| **Product Name** | DNMT3L, Polyclonal Antibody |
| **Full Product Name** | DNMT3L (DNA (cytosine-5)-methyltransferase 3-like, MGC1090) (HRP) |
| **Product Gene Name** | anti-DNMT3L antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human, Mouse |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP). |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human DNMT3L. Species Crossreactivity: mouse. |
| **Preparation and Storage** | Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor |
| **Immunogen** | Full length human DNMT3L, aa1-386 (AAH02560.1). |
| **Immunogen Sequence** | MAAIPALDPEAEPSMDVILVGSSELSSSVSPGTGRDLIAYEVKANQRNIEDICICCGSLQVHTQHPLFEGGICAPCKDKFLDALFLYDDDGYQSYCSICCSG |
| **Conjugate** | HRP |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-DNMT3L antibody** | Antibodies; Enzymes; Methyltransferase |
| **Applications Tested/Suitable for anti-DNMT3L antibody** | Western Blot (WB) |
| **Application Notes for anti-DNMT3L antibody** | Applications are based on unconjugated antibody. |
| **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 thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with |
| **Other Notes** | Small volumes of anti-DNMT3L antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece |
| **Searchable Terms for DNMT3L purchase** | MBS6376506 is an antibody targeting DNMT3L. Also known as DNMT3L (DNA (cytosine-5)-methyltransferase 3-like, MGC1090) (HRP). Reactive in Hu |




**Western Blot (WB) of anti-DNMT3L antibody**
DNMT3L rabbit polyclonal antibody. Western Blot analysis of DNMT3L expression in human liver.




**Western Blot (WB) of anti-DNMT3L antibody**
DNMT3L rabbit polyclonal antibody. Western Blot analysis of DNMT3L expression in mouse liver.




**Western Blot (WB) of anti-DNMT3L antibody**
Western Blot analysis of DNMT3L expression in transfected 293T cell line by DNMT3L polyclonal antibody. Lane 1: DNMT3L transfected lysate (43.5kD). Lane 2: Non-transfected lysate.

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DNMT3L. It may not necessarily be applicable to this product.

| | |
|---|---|
| **NCBI GI #** | 33876867 |
| **NCBI GeneID** | 29947 |
| **NCBI Accession #** | BC002560.2 |
| **NCBI Related Accession #** | AAH02560.1 |
| **UniProt Related Accession #** | Q9UJW3 |
| **NCBI Official Full Name** | Homo sapiens DNA (cytosine-5-)-methyltransferase 3-like, mRNA |
| **NCBI Official Synonym Full Names** | DNA methyltransferase 3 like |
| **NCBI Official Symbol** | DNMT3L |
| **Protein Family** | DNA (cytosine-5)-methyltransferase |
| **NCBI Protein Information** | DNA (cytosine-5)-methyltransferase 3-like |

| | |
|---|---|
| **NCBI Summary for DNMT3L** | 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, but is not thought to function as a DNA methyltransferase as it does not contain the amino acid residues necessary for methyltransferase activity. However, it does stimulate de novo methylation by DNA cytosine methyltransferase 3 alpha and is thought to be required for the establishment of maternal genomic imprints. This protein also mediates transcriptional repression through interaction with histone deacetylase 1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2012] |
| **Research Articles on DNMT3L** | **1.** Nutrition and its DNA methylation influence cognitive decline. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
| **Disclaimer** | While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice.<br><br>It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information. |
| **Product Note** | Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures.

**MyBioSource** | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/dnmt3l/6376506