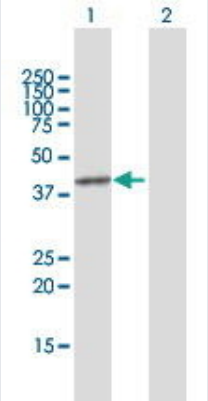
PRMT8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRMT8, Polyclonal Antibody
Full Product Name	PRMT8 (Protein Arginine N-methyltransferase 8, Heterogeneous Nuclear Ribonucleoprotein Methyltransferase-like Protein 4, HRMT1L3, HRMT1L4)
Product Gene Name	anti-PRMT8 antibody
Product Synonym Names	Anti -PRMT8 (Protein Arginine N-methyltransferase 8, Heterogeneous Nuclear Ribonucleoprotein Methyltransferase-like Protein 4, HRMT1L3, HRMT1L4)
Immunogen Sequence	MGMKHSSRCL LLRRKMAENA AESTEVNSPP SQPPQPVVPA KPVQCVHHVS TQPSCPGRGK MSKLLNPEEM TSRDYYFDSY AHFGIHEEML KDEVRTLTYR NSMYHNKHVF KDKVVLDVGS GTGILSMFAA KAGAKKVFGI ECSSISDYSE KIIKANHLDN IITIFKGKVE EVELPVEKVD IIISEWMGYC LFYESMLNTV IFARDKWLKP GGLMFPDRAA LYVVAIEDRQ YKDFKIHWWE NVYGFDMTCI RDVAMKEPLV DIVDPKQVVT NACLIKEVDI YTVKTEELSF TSAFCLQIQR NDYVHALVTY FNIEFTKCHK KMGFSTAPDA PYTHWKQTVF YLEDYLTVRR GEEIYGTISM KPNAKNVRDL DFTVDLDFKG QLCETSVSND YKMR
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human PRMT8.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	45,291 Da
Chromosome Location	Chromosome: 12; NC_000012.11 (3490515..3703139). Location: 12p13.3
OMIM	610086
3D Structure	ModBase 3D Structure for Q9NR22
Immunogen	Full length human PRMT8, aa1-394 (NP_062828.3).
Product Categories/Family for anti-PRMT8 antibody	Antibodies; Abs to Enzymes; Methyltransferase
Applications Tested/Suitable for anti-PRMT8 antibody	Western Blot (WB)
Application Notes for anti-PRMT8 antibody	Suitable for use in Western Blot.
Related Product Information for anti-PRMT8 antibody	Protein arginine methylation plays a role in signal transduction, RNA processing, transcriptional regulation, and DNA repair. PRMT8, a protein arginine N-methyltransferase most closely related to PRMT1, methylates the guanidino nitrogens of arginyl residues in some proteins. This protein associates with the plasma membrane following myristoylation and exhibits a brain-specific expression pattern, making it unique within this family of enzymes.

Other Notes	Small volumes of anti-PRMT8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PRMT8 purchase	MBS6010980 is an antibody targeting PRMT8. Also known as PRMT8 (Protein Arginine N-methyltransferase 8, Heterogeneous Nuclear Ribonucleoprotein Methyltransferase-like Protein 4, HRMT1L3, HRMT1L4). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PRMT8 antibody
Western Blot analysis of PRMT8 expression in transfected 293T cell line by PRMT8 polyclonal antibody. Lane 1: PRMT8 transfected lysate (45.3kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRMT8. It may not necessarily be applicable to this product.

NCBI GI #	74099699
NCBI GeneID	56341
NCBI Accession #	NP_062828.3
UniProt Primary Accession #	Q9NR22
UniProt Secondary Accession #	Q8TBJ8; B2RDP0
UniProt Related Accession #	Q9NR22
GenBank Nucleotide #	NM_019854.4
NCBI Official Full Name	protein arginine N-methyltransferase 8 isoform 1
NCBI Official Synonym Full Names	protein arginine methyltransferase 8
NCBI Official Symbol	PRMT8
NCBI Official Synonym Symbols	HRMT1L3; HRMT1L4
UniProt Protein Name	Protein arginine N-methyltransferase 8
UniProt Synonym Protein Names	Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 4
Protein Family	Protein arginine N-methyltransferase
UniProt Gene Name	PRMT8
UniProt Synonym Gene Names	HRMT1L3; HRMT1L4
UniProt Entry Name	ANM8_HUMAN
NCBI Protein Information	protein arginine N-methyltransferase 8; HMT1 hnRNP methyltransferase-like 3; protein arginine N-methyltransferase 4; heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 4

NCBI Summary for PRMT8	Arginine methylation is a widespread posttranslational modification mediated by arginine methyltransferases, such as PRMT8. Arginine methylation is involved in a number of cellular processes, including DNA repair, RNA transcription, signal transduction, protein compartmentalization, and possibly protein translation (Lee et al., 2005 [PubMed 16051612]).[supplied by OMIM, Mar 2008]
UniProt Comments for PRMT8	PRMT8: Membrane-associated arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and asymmetrical dimethylarginine (aDMA). Able to mono- and dimethylate EWS protein; however its precise role toward EWS remains unclear as it still interacts with fully methylated EWS. Belongs to the protein arginine N-methyltransferase family. PRMT8 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.1.1.-; Methyltransferase; Methyltransferase, protein arginine Chromosomal Location of Human Ortholog: 12p13.3 Cellular Component: plasma membrane; nucleus; cytosol Molecular Function: protein-arginine omega-N monomethyltransferase activity; identical protein binding; protein-arginine omega-N asymmetric methyltransferase activity; protein binding; protein homodimerization activity; protein heterodimerization activity; S-adenosylmethionine-dependent methyltransferase activity; histone-arginine N-methyltransferase activity Biological Process: histone methylation; peptidyl-arginine methylation; regulation of transcription, DNA-dependent; regulation of protein binding; peptidyl-arginine methylation, to asymmetrical-dimethyl arginine
Research Articles on PRMT8	**1.** Clinical trial of gene-disease association and gene-environment interaction. (HuGE Navigator)
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. 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-antibody/prmt8/6010980