PRDM12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRDM12, Polyclonal Antibody
Full Product Name	PRDM12 (PR Domain Zinc Finger Protein 12, PR Domain-containing Protein 12, PFM9) (MaxLight 650)
Product Gene Name	anti-PRDM12 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 MaxLight650.
Purity/Purification	Purified by affinity chromatography.
Specificity	Recognizes human PRDM12. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	40kDa
3D Structure	ModBase 3D Structure for Q9H4Q4
Immunogen	Synthetic linear peptide corresponding to human PRDM12, conjugated to KLH.
Conjugate	MaxLight650
Positive Control	Human liver tissue lysate
Note	Preservative Free
Product Categories/Family for anti-PRDM12 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-PRDM12 antibody	Immunocytochemistry (ICC), Western Blot (WB)
Application Notes for anti-PRDM12 antibody	ICC: 1:500 WB: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-PRDM12 antibody	MBS6270020 is an antibody targeting PRDM12. Also known as PRDM12 (PR Domain Zinc Finger Protein 12, PR Domain-containing Protein 12, PFM9) (MaxLight 650). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-PRDM12 antibody	1. Reid, A.G. and Nacheva, E.P. (2004). Leukemia. 18:178-180. 2. Kolomietz E., et al. (2003). Leukemia. 17: 1313-1323. 3. Xiao, B., et al., (2003). Curr Opin Struct Biol. 13(6):699-705. 4. Jiang, G.L., et al. (2000). Histol Histopathol. 15(1):109-117.
Other Notes	Small volumes of anti-PRDM12 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRDM12. It may not necessarily be applicable to this product.

NCBI GI #	15042949
NCBI GeneID	59335
NCBI Accession #	NP_067632
UniProt Primary Accession #	Q9H4Q4
UniProt Related Accession #	Q9H4Q4
GenBank Nucleotide #	NM_021619.2
NCBI Official Full Name	PR domain zinc finger protein 12
NCBI Official Synonym Full Names	PR/SET domain 12
NCBI Official Symbol	PRDM12
NCBI Official Synonym Symbols	PFM9; HSAN8
UniProt Protein Name	PR domain zinc finger protein 12
UniProt Synonym Protein Names	PR domain-containing protein 12
Protein Family	PR domain zinc finger protein
UniProt Gene Name	PRDM12
UniProt Synonym Gene Names	PFM9
UniProt Entry Name	PRD12_HUMAN
NCBI Protein Information	PR domain zinc finger protein 12
NCBI Summary for PRDM12	This gene encodes a transcriptional regulator of sensory neuronal specification that plays a critical role in pain perception. The encoded protein contains an N-terminal PRDI-BF1 and RIZ homology (PR) domain, a SET domain, and three C-terminal C2H2 zinc finger DNA-binding domains. Naturally occurring mutations in this gene are associated with congenital insensitivity to pain (CIP), and hereditary sensory and autonomic neuropathies (HSAN's) affecting peripheral sensory and autonomic neurons. Deregulation of this gene is associated with solid cancers and hematological malignancies including chronic myeloid leukaemia. [provided by RefSeq, Mar 2017]
UniProt Comments for PRDM12	PRDM12: May be involved in transcriptional regulation. Protein type: Methyltransferase, protein lysine, predicted; C2H2-type zinc finger protein Chromosomal Location of Human Ortholog: 9q34.12 Cellular Component: nucleus Molecular Function: methyltransferase activity; DNA binding; metal ion binding Biological Process: methylation; neurogenesis; regulation of transcription, DNA-dependent; transcription, DNA-dependent Disease: Neuropathy, Hereditary Sensory And Autonomic, Type Viii
Research Articles on PRDM12	**1.** The natural history of the PRDM12-CIP disorder.
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-mouse-antibody/prdm12/6270020