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 550)
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 MaxLight550.
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: MaxLight550 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	MaxLight550
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	MBS6270019 is an antibody targeting PRDM12. Also known as PRDM12 (PR Domain Zinc Finger Protein 12, PR Domain-containing Protein 12, PFM9) (MaxLight 550). 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.
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