PRDM8 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRDM8, Polyclonal Antibody
Full Product Name	PRDM8, NT (PRDM8, PFM5, PR domain zinc finger protein 8, PR domain-containing protein 8) (MaxLight 650)
Product Gene Name	anti-PRDM8 antibody
Product Synonym Names	PRDM8; PFM5; PR domain zinc finger protein 8; PR domain-containing protein 8
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
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	35,470 Da
3D Structure	ModBase 3D Structure for Q9NQV8
Immunogen	PRDM8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 74-102 amino acids from the N-terminal region of human PRDM8.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-PRDM8 antibody	Antibodies; Transcription Factors; Zinc (Ring) Finger
Applications Tested/Suitable for anti-PRDM8 antibody	Western Blot (WB), FLISA
Application Notes for anti-PRDM8 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-PRDM8 antibody	MBS6337102 is an antibody targeting PRDM8. Also known as PRDM8, NT (PRDM8, PFM5, PR domain zinc finger protein 8, PR domain-containing protein 8) (MaxLight 650). Reactive in Human. Host: Rabbit. PRDM8 may be involved in transcriptional regulation.
Product References and Citations for anti-PRDM8 antibody	Newton-Cheh, C., et al. Nat. Genet. (2009). In press: Xiao, B., et al. Curr. Opin. Struct. Biol. 13(6):699-705(2003). Jiang, G.L., et al. Histol. Histopathol. 15(1):109-117(2000).
Other Notes	Small volumes of anti-PRDM8 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 PRDM8. It may not necessarily be applicable to this product.

NCBI GI #	150378478
NCBI GeneID	56978
NCBI Accession #	NP_001092873.1
NCBI Related Accession #	NP_064611.3
UniProt Primary Accession #	Q9NQV8
UniProt Secondary Accession #	Q6IQ36; A8K7X2
UniProt Related Accession #	Q9NQV8
GenBank Nucleotide #	NM_001099403.1
NCBI Official Full Name	PR domain zinc finger protein 8
NCBI Official Synonym Full Names	PR/SET domain 8
NCBI Official Symbol	PRDM8
NCBI Official Synonym Symbols	PFM5; EPM10; KMT8D
UniProt Protein Name	PR domain zinc finger protein 8
UniProt Synonym Protein Names	PR domain-containing protein 8
Protein Family	PR domain zinc finger protein
UniProt Gene Name	PRDM8
UniProt Synonym Gene Names	PFM5
UniProt Entry Name	PRDM8_HUMAN
NCBI Protein Information	PR domain zinc finger protein 8
NCBI Summary for PRDM8	This gene encodes a protein that belongs to a conserved family of histone methyltransferases that predominantly act as negative regulators of transcription. The encoded protein contains an N-terminal Su(var)3-9, Enhancer-of-zeste, and Trithorax (SET) domain and a double zinc-finger domain. Knockout of this gene in mouse results in mistargeting by neurons of the dorsal telencephalon, abnormal itch-like behavior, and impaired differentiation of rod bipolar cells. In humans, the protein has been shown to interact with the phosphatase laforin and the ubiquitin ligase malin, which regulate glycogen construction in the cytoplasm. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]
Research Articles on PRDM8	**1.** Aberrant hypermethylation is particularly observed in PRDM8 and this may support identification and classification of bone marrow failure syndromes
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