PRDM7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRDM7, Polyclonal Antibody
Full Product Name	PRDM7 rabbit pAb
Product Gene Name	anti-PRDM7 antibody
Product Synonym Gene Name	PFM4
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Preparation and Storage	Store at -20 degree C for ~1 year
Molecular Weight	45,890 Da
OMIM	AM690991 mRNA
3D Structure	ModBase 3D Structure for Q9NQW5
Product Categories/Family for anti-PRDM7 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PRDM7 antibody	Western Blot (WB)
Application Notes for anti-PRDM7 antibody	WB: 1:500-2000
Related Product Information for anti-PRDM7 antibody	This gene encodes a member of a family of proteins that may have roles in transcription and other nuclear processes. The encoded protein contains a KRAB (Kruppel-associated box) domain -A box and a SET (Su (var)3-9, Enhancer-of-zeste, Trithorax) domain and may function as a histone methyltransferase. [provided by RefSeq, Aug 2013]
Other Notes	Small volumes of anti-PRDM7 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 PRDM7 purchase	MBS8600569 is an antibody targeting PRDM7. Also known as PRDM7 rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRDM7. It may not necessarily be applicable to this product.

NCBI GI #	148271100
NCBI GeneID	11105
NCBI Accession #	NP_001091643.1
UniProt Primary Accession #	Q9NQW5

UniProt Secondary Accession #	Q08EM4; Q9NQW4; A4Q9G8
UniProt Related Accession #	Q9NQW5
GenBank Nucleotide #	NM_001098173.1
NCBI Official Full Name	probable histone-lysine N-methyltransferase PRDM7
NCBI Official Synonym Full Names	PR/SET domain 7
NCBI Official Symbol	PRDM7
NCBI Official Synonym Symbols	PFM4; ZNF910
UniProt Protein Name	Probable histone-lysine N-methyltransferase PRDM7
UniProt Synonym Protein Names	PR domain zinc finger protein 7; PR domain-containing protein 7
Protein Family	Probable histone-lysine N-methyltransferase
UniProt Gene Name	PRDM7
UniProt Synonym Gene Names	PFM4
NCBI Protein Information	probable histone-lysine N-methyltransferase PRDM7
NCBI Summary for PRDM7	This gene encodes a member of a family of proteins that may have roles in transcription and other nuclear processes. The encoded protein contains a KRAB (Kruppel-associated box) domain -A box and a SET (Su(var)3-9, Enhancer-of-zeste, Trithorax) domain and may function as a histone methyltransferase. [provided by RefSeq, Aug 2013]
UniProt Comments for PRDM7	PRDM7: a probable histone methyltransferase. The mouse orthologous protein seems not to exist. Human PRDM7 and PRDM9 genes, a pair of close paralogs corresponding to a single mouse gene Prdm9, may have been generated by a recent gene duplication event after the divergence of the ancestors of human and mouse. Three isoforms of the human protein are produced by alternative splicing. Protein type: EC 2.1.1.43; Methyltransferase; Methyltransferase, protein lysine Chromosomal Location of Human Ortholog: 16q24.3 Cellular Component: chromosome; nucleus Molecular Function: histone-lysine N-methyltransferase activity; nucleic acid binding; protein binding Biological Process: regulation of transcription, DNA-templated
Research Articles on PRDM7	**1.** These studies indicate that after a single serine to tyrosine mutation at residue 357 (S357Y), PRDM7 regains the substrate specificities and catalytic activities similar to its evolutionary predecessor, including the ability to efficiently methylate H3K36.
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