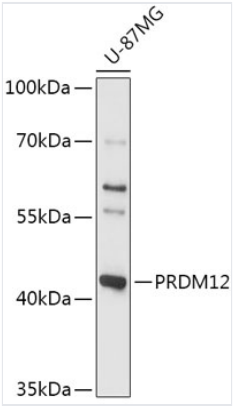
PRDM12 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRDM12, Polyclonal Antibody
Full Product Name	PRDM12 Rabbit pAb
Product Gene Name	anti-PRDM12 antibody
Product Synonym Names	HSAN8; PFM9; PRDM12
Immunogen Sequence	LGIFSKTWIK AGTEMGPFTG RVIAPEHVDI CKNNNLMWEV FNEDGTVRYF IDASQEDHRS WMTYIKCARN EQEQNLEVVQ IGTSIFYKAI EMIPPDQELL VWYGNSHNTF LGIPGVPGLE EDQKKNKHED FHPADSAAGP AGRMRCVICH RGFNSRSNLR SHMRIHTLDK PFVCRFCNRR FSQSSTLRNH VRLHTGERPY KCQVCQSAYS QLAGLRAHQK SARHRPPSTA L
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	40,403 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (133539981..133558384). Location: 9q33-q34
3D Structure	ModBase 3D Structure for Q9H4Q4
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 100-330 of human PRDM12 (NP_067632.2).
Positive Samples	U-87MG
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PRDM12 antibody	Western Blot (WB)
Application Notes for anti-PRDM12 antibody	WB: 1:500-1:2000
Related Product Information for anti-PRDM12 antibody	Background: 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]
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.
Searchable Terms for PRDM12 purchase	MBS9142986 is an antibody targeting PRDM12. Also known as PRDM12 Rabbit pAb. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-PRDM12 antibody
Western blot analysis of extracts of U-87MG cells, using PRDM12 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 90s.

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_067632.2
UniProt Primary Accession #	Q9H4Q4
UniProt Secondary Accession #	A3KFK9
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 domain containing 12
NCBI Official Symbol	PRDM12
NCBI Official Synonym Symbols	PFM9
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; PR domain-containing protein 12; PR-domain containing protein 12; PR-domain zinc finger protein 12

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.** Down-regulation of PRDM12 is associated with the pathogenesis of chronic myeloid leukaemia with derivative chromosome 9 deletion
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.
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