

PRDM12 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM1195a

Specification

PRDM12 Antibody - Product Information

Application	WB,E
Primary Accession	Q9H4Q4
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1

PRDM12 Antibody - Additional Information

Gene ID 59335

Other Names

PR domain zinc finger protein 12, 211-, PR domain-containing protein 12, PRDM12, PFM9

Target/Specificity

This PRDM12 antibody was raised using purified recombinant GST fusion protein encoding human PRDM12.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PRDM12 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PRDM12 Antibody - Protein Information

Name PRDM12

Synonyms PFM9

Function Transcriptional regulator necessary for the development of nociceptive neurons, playing a key role in determining the nociceptive lineage from neural crest cell progenitors. Initiates neurogenesis and activates downstream pro-neuronal transcription factors, such as NEUROD1,

BRN3A, and ISL1, specifically within nociceptive neurons, while repressing non-nociceptor cell fates. Essential for the proper function of nociceptors in adults, influencing both their excitability and their gene expression, thereby impacting how these neurons respond to various pain stimuli.

Cellular Location

Nucleus.

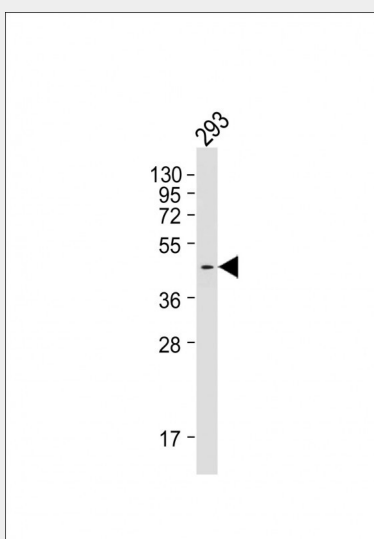
Tissue Location

Not found in adult tissues except in dorsal root ganglia.

PRDM12 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PRDM12 Antibody - Images

Anti-PRDM12 Antibody at 1:1000 dilution + 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFDm/TBST.

PRDM12 Antibody - References

SET domains and histone methylation. Xiao B, et al. Curr Opin Struct Biol, 2003 Dec. PMID 14675547.

A potential role for PRDM12 in the pathogenesis of chronic myeloid leukaemia with derivative chromosome 9 deletion. Reid AG, et al. Leukemia, 2004 Jan. PMID 14523459.

The prototypical 4.1R-10-kDa domain and the 4.1g-10-kDa paralog mediate fodrin-actin complex formation. Kontogianni-Konstantopoulos A, et al. J Biol Chem, 2001 Jun 8. PMID 11274145.

The yin-yang of PR-domain family genes in tumorigenesis. Jiang GL, et al. Histol Histopathol, 2000 Jan. PMID 10668202.