

PRDM10 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM1193a

Specification

PRDM10 Antibody - Product Information

Application	WB,E
Primary Accession	O9NQV6
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1

PRDM10 Antibody - Additional Information

Gene ID 56980

Other Names

PR domain zinc finger protein 10, 211-, PR domain-containing protein 10, Tristanin, PRDM10, KIAA1231, PFM7, TRIS

Target/Specificity

This PRDM10 antibody was raised using purified recombinant GST fusion protein encoding the N-terminal part of human PRDM10.

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

PRDM10 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PRDM10 Antibody - Protein Information

Name PRDM10

Synonyms KIAA1231, PFM7, TRIS

Function Transcriptional activator, essential for early embryonic development and survival of embryonic stem cells (ESCs) (By similarity). Supports cell growth and survival during early

development by transcriptionally activating the expression of the translation initiation factor EIF3B, to sustain global translation (By similarity). Activates the transcription of FLNC (PubMed:[36440963](#)).

Cellular Location

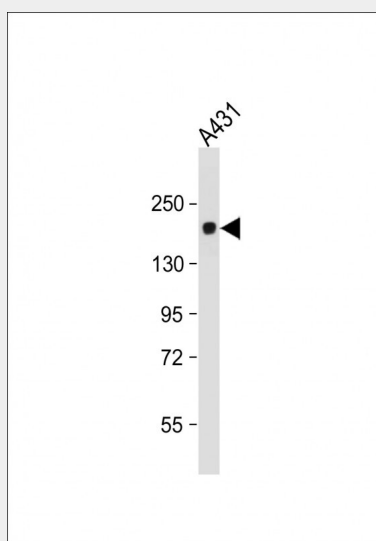
Nucleus.

PRDM10 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](#)

PRDM10 Antibody - Images



Anti-PRDM10 Antibody at 1:1000 dilution + A431 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 : 130 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PRDM10 Antibody - Background

The protein encoded by this gene is a transcription factor that contains C2H2-type zinc-fingers. It also contains a positive regulatory domain, which has been found in several other zinc-finger transcription factors including those involved in B cell differentiation and tumor suppression. Studies of the mouse counterpart suggest that this protein may be involved in the development of the central nerve system (CNS), as well as in the pathogenesis of neuronal storage disease. Multiple alternatively spliced transcript variants encoding distinct isoforms have been observed.

PRDM10 Antibody - References

Novel breast cancer risk alleles and interaction with ionizing radiation among U.S. radiologic technologists. Bhatti P, et al. Radiat Res, 2010 Feb. PMID 20095854.

Association between genetic variants in VEGF, ERCC3 and occupational benzene haematotoxicity. Hosgood HD 3rd, et al. Occup Environ Med, 2009 Dec. PMID 19773279.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Ectopic dendrite initiation: CNS pathogenesis as a model of CNS development. Siegel DA, et al. Int J Dev Neurosci, 2002 Jun-Aug. PMID 12175877.

Prediction of the coding sequences of unidentified human genes. XV. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. Nagase T, et al. DNA Res, 1999 Oct 29. PMID 10574462.