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PRDM6 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14412a

Specification

PRDM6 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NQX0
Other Accession	NP_001129711.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**64452**
Antigen Region	**44-72**

PRDM6 Antibody (N-term) - Additional Information

Gene ID 93166

Other Names
Putative histone-lysine N-methyltransferase PRDM6, PR domain zinc finger protein 6, PR domain-containing protein 6, PRDM6, PFM3

Target/Specificity
This PRDM6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 44-72 amino acids from the N-terminal region of human PRDM6.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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
PRDM6 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PRDM6 Antibody (N-term) - Protein Information

Name PRDM6

Synonyms PFM3

Function Putative histone methyltransferase that acts as a transcriptional repressor of smooth muscle gene expression. Promotes the transition from differentiated to proliferative smooth muscle by suppressing differentiation and maintaining the proliferative potential of vascular smooth muscle cells. Also plays a role in endothelial cells by inhibiting endothelial cell proliferation, survival and differentiation. It is unclear whether it has histone methyltransferase activity in vivo. According to some authors, it does not act as a histone methyltransferase by itself and represses transcription by recruiting EHMT2/G9a. According to others, it possesses histone methyltransferase activity when associated with other proteins and specifically methylates 'Lys-20' of histone H4 in vitro. 'Lys-20' methylation represents a specific tag for epigenetic transcriptional repression.

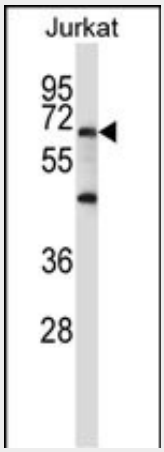
Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q3UZD5}.

PRDM6 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PRDM6 Antibody (N-term) - Images



PRDM6 Antibody (N-term) (Cat. #AP14412a) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the PRDM6 antibody detected the PRDM6 protein (arrow).

PRDM6 Antibody (N-term) - Background

Putative histone methyltransferase that acts as a transcriptional repressor of smooth muscle gene expression. Promotes the transition from differentiated to proliferative smooth muscle by suppressing differentiation and maintaining the proliferative potential of vascular smooth muscle cells. Also plays a role in endothelial cells by inhibiting endothelial cell proliferation, survival and

differentiation. It is unclear whether it has histone methyltransferase activity in vivo. According to some authors, it does not act as a histone methyltransferase by itself and represses transcription by recruiting EHMT2/G9a. According to others, it possesses histone methyltransferase activity when associated with other proteins and specifically methylates 'Lys-20' of histone H4 in vitro. 'Lys-20' methylation represents a specific tag for epigenetic transcriptional repression (By similarity).

PRDM6 Antibody (N-term) - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Vasan, R.S., et al. JAMA 302(2):168-178(2009)