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PRDM6 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13269

Product Information

Application	WB
Primary Accession	Q9NQX0
Other Accession	XM_937753, XP_942846
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64452

Additional Information

Gene ID	93166
Other Names	Putative histone-lysine N-methyltransferase PRDM6, 2.1.1.43, PR domain zinc finger protein 6, PR domain-containing protein 6, PRDM6, PFM3
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-PRDM6 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	PRDM6 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

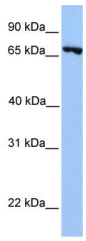
Protein Information

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}.

Images



WB Suggested Anti-PRDM6 Antibody Titration: 0.2-1 µg/ml
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.