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PRDM6 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13269

Specification

PRDM6 antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9NQX0
Other Accession	XM_937753, XP_942846
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**67kDa KDa**

PRDM6 antibody - N-terminal region - 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.

PRDM6 antibody - N-terminal region - 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.

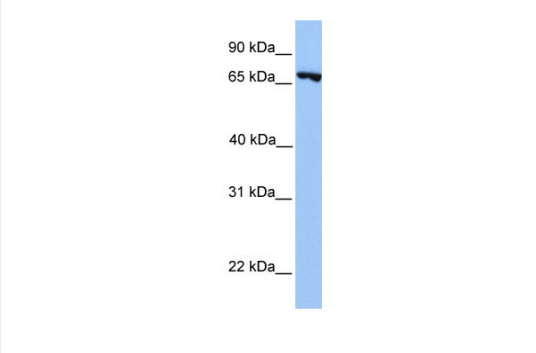
Cellular Location
Nucleus {ECO:0000250|UniProtKB:Q3UZD5}.

PRDM6 antibody - N-terminal region - 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-terminal region - Images



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