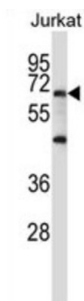


## Putative Histone-Lysine N-Methyltransferase PRDM6 (PRDM6) Antibody

Catalogue No.: abx028039



WB analysis of Jurkat cell lysates (35 µg/lane). PRDM6 antibody detection shown by the arrow.

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).

<b>Target:</b>	Putative Histone-Lysine N-Methyltransferase PRDM6 (PRDM6)
<b>Clonality:</b>	Polyclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Rabbit
<b>Recommended dilutions:</b>	WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	KLH-conjugated synthetic peptide between 44-72 amino acids from the N-terminal region of human PRDM6.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified through a protein A column, followed by peptide affinity purification.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 6.0.0  
Revision date: 18 Apr 2025



**UniProt Primary AC:** Q9NQX0 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** PRDM6

**String:** [9606.ENSP00000384725](#)

**Molecular Weight:** Calculated MW: 64.5 kDa

**Buffer:** PBS containing 0.09% sodium azide.

**Concentration:** 0.45 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only