Immunoway
Best Tools for immunology Research

PRD16 rabbit pAb

Catalog No :	YT8124
Reactivity :	Human;Mouse
Applications :	IHC;WB
Target :	PRDM16
Gene Name :	PRDM16 KIAA1675 MEL1 PFM13
Protein Name :	PR domain zinc finger protein 16 (PR domain-containing protein 16) (Transcription factor MEL1) (MDS1/EVI1-like gene 1)
Human Gene Id :	63976
Human Swiss Prot No :	Q9HAZ2
Mouse Gene Id :	70673
Mouse Swiss Prot No :	A2A935
Immunogen :	Synthesized peptide derived from human C-ternal PRD16
Specificity :	This antibody detects endogenous levels of PRD16 at Human, Mouse
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 140kD

Function : Binds DNA and functions as a transcriptional regulator . Displays histone methyltransferase activity and monomethylates 'Lys-9' of histone H3 (H3K9me1) in vitro (By similarity). Probably catalyzes the monomethylation of free histone H3 in the cytoplasm which is then transported to the nucleus and incorporated into nucleosomes where SUV39H methyltransferases use it as a substrate to catalyze histone H3 'Lys-9' trimethylation (By similarity). Likely to be one of the primary histone methyltransferases along with MECOM/PRDM3 that direct cytoplasmic H3K9me1 methylation (By similarity). Functions in the differentiation of brown adipose tissue (BAT) which is specialized in dissipating chemical energy in the form of heat in response to cold or excess feeding while white adipose tissue (WAT) is specialized in the storage of excess energy and the control of systemic metabolism (By similarity). To

Subcellular Location : Nucleus . Cytoplasm .

Expression : Expressed in uterus and kidney. Expressed in both cardiomyocytes and interstitial cells.

Products Images