

## PRD16 rabbit pAb

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

**Molecularweight :** 140kD

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**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

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**Subcellular Location :** Nucleus . Cytoplasm .

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

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**Sort :** 999

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**No4 :** 1

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**Host :** Rabbit

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**Modifications :** Unmodified

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## Products Images