

For Research Use Only

# PRDM2 Polyclonal antibody

Catalog Number: 27718-1-AP



## Basic Information

<b>Catalog Number:</b> 27718-1-AP	<b>GenBank Accession Number:</b> NM_001007257	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 900 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7799	<b>Recommended Dilutions:</b> WB 1:200-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> PR domain containing 2, with ZNF domain	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 189 kDa	
<b>Immunogen Catalog Number:</b> AG26769	<b>Observed MW:</b> 250-280 kDa	

## Applications

<b>Tested Applications:</b> WB,ELISA	<b>Positive Controls:</b> WB : HeLa cells,
<b>Species Specificity:</b> Human	

## Background Information

PRDM2, also named as KMT8, RIZ, is a 1718 amino acid protein, which belongs to the class V-like SAM-binding methyltransferase superfamily. PRDM2 localizes in the nucleus and is highly expressed in retinoblastoma cell lines and in brain tumors and is also expressed in a number of other cell lines and in brain, heart, skeletal muscle, liver and spleen. Isoform 1 is expressed in testis at much higher level than isoform 3. PRDM2 as a S-adenosyl-L-methionine-dependent histone methyltransferase that specifically methylates 'Lys-9' of histone H3. May function as a DNA-binding transcription factor. The calculated molecular weight of PRDM2 is about 189 kDa. PRDM2 exists some isoforms with 250 kDa and 280 kDa. (PMID: 26040698)

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

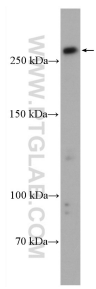
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 27718-1-AP (PRDM2 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.