

# PRDM2 Polyclonal antibody

Catalog Number: 27718-1-AP

## Basic Information

**Catalog Number:**

27718-1-AP

**Size:**

900 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG26769

**GenBank Accession Number:**

NM\_001007257

**GeneID (NCBI):**

7799

**Full Name:**

PR domain containing 2, with ZNF domain

**Calculated MW:**

189 kDa

**Observed MW:**

250-280 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

WB: HeLa cells,

## 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

## 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.