

Anti-PRDM5 Antibody

Catalog # AP96014

Product Information

Application	WB, FC, IF/IC
Primary Accession	Q9NQX1
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	73090

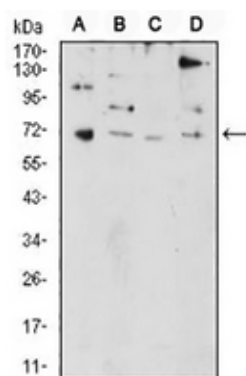
Additional Information

Gene ID	11107
Other Names	PFM2; PR domain zinc finger protein 5; PR domain-containing protein 5
Target/Specificity	Recombinant fusion protein of human PRDM5 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200) IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

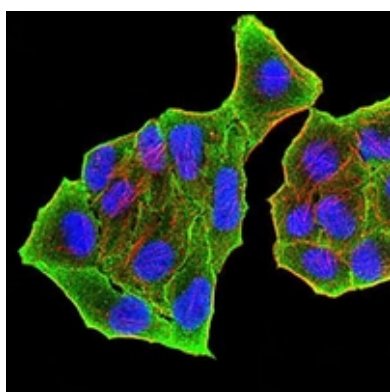
Protein Information

Name	PRDM5
Synonyms	PFM2
Function	Sequence-specific DNA-binding transcription factor. Represses transcription at least in part by recruitment of the histone methyltransferase EHMT2/G9A and histone deacetylases such as HDAC1. Regulates hematopoiesis-associated protein-coding and microRNA (miRNA) genes. May regulate the expression of proteins involved in extracellular matrix development and maintenance, including fibrillar collagens, such as COL4A1 and COL11A1, connective tissue components, such as HAPLN1, and molecules regulating cell migration and adhesion, including EDIL3 and TGFB2. May cause G2/M arrest and apoptosis in cancer cells.
Cellular Location	Nucleus
Tissue Location	Widely expressed with highest levels in colon and ovary. Tends to be silenced in breast, colorectal, gastric and liver cancer tissues.

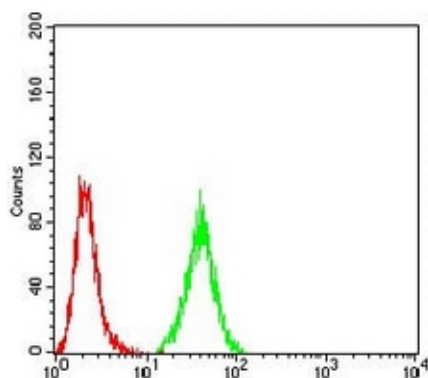
Images



Western blot analysis of PRDM5 expression in HL60 (A), NIH/3T3 (B), SW480 (C), HEK293 (D) whole cell lysates. (Predicted band size: 73 kD; Observed band size: 72 kD)



Immunofluorescent analysis of PRDM5 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of HeLa cells using Anti-PRDM5 Antibody (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.