

Anti-PRDM14 Antibody

Catalog # AP96013

Product Information

Application	WB, FC
Primary Accession	Q9GZV8
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	64062

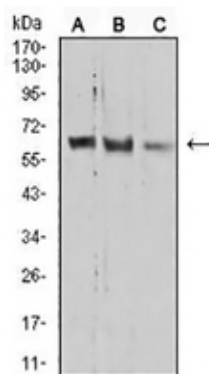
Additional Information

Gene ID	63978
Other Names	PR domain zinc finger protein 14; PR domain-containing protein 14
Target/Specificity	Recombinant fusion protein of human PRDM14 expressed in E. Coli
Dilution	WB~~WB (1/500 - 1/1000) FC~~FC (1/100 - 1/200)
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

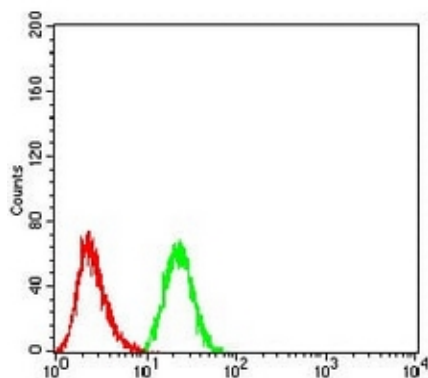
Protein Information

Name	PRDM14
Function	Transcription factor that has both positive and negative roles on transcription. Required for the maintenance of embryonic stem cell identity and the reacquisition of pluripotency in somatic cells. May play an essential role in germ cell development at 2 levels: the reacquisition of potential pluripotency, including SOX2 up-regulation, and successful epigenetic reprogramming, characterized by EHMT1 repression. Its association with CBFA2T2 is required for the functions in pluripotency and germ cell formation (By similarity). Directly up- regulates the expression of pluripotency gene POU5F1 through its proximal enhancer. Binds to the DNA consensus sequence 5'-GGTC[TC]CTAA- 3'.
Cellular Location	Nucleus.
Tissue Location	Expressed in embryonic stem cells. Tends to be overexpressed in breast cancer (at protein level)

Images



Western blot analysis of PRDM14 expression in HEK293 (A), A549 (B), HepG2 (C) whole cell lysates. (Predicted band size: 64 kD; Observed band size: 64 kD)



Flow cytometric analysis of A549 cells using Anti-PRDM14 Antibody (green) and negative control (red).

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