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PRDM2 Rabbit pAb

Catalog # AP99119

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q13029
Other Accession	Q13029
Predicted	Rat, Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	188915
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PRDM2/RIZ1
Epitope Specificity	1301-1400/1718
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 8 C2H2-type zinc fingers. Contains 1 SET domain.
SUBUNIT	Binds to the retinoblastoma protein (RB). Interacts with GATA3.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	S-adenosyl-L-methionine-dependent histone methyltransferase that specifically methylates 'Lys-9' of histone H3. May function as a DNA-binding transcription factor. Binds to the macrophage-specific TPA-responsive element (MTE) of the HMOX1 (heme oxygenase 1) gene and may act as a transcriptional activator of this gene.

Additional Information

Gene ID	7799
Other Names	HUMHOXY1; KMT8; KMT8A; MTB-ZF; RIZ; RIZ1; RIZ2; 4833427P12Rik; E330024L24Rik; Gm1033; Gm19732; Znfpr1c1; PRDM2_HUMAN; PRDM2; GATA-3-binding protein G3B; Lysine N-methyltransferase 8; MTE-binding protein; PR domain-containing protein 2; Retinoblastoma protein-interacting zinc finger protein; Zinc finger protein RIZ; 2.1.1.355; PRDM2_RAT; PR/SET domain 2; PR domain containing 2, with ZNF domain; PR domain 2; retinoblastoma protein-binding zinc finger protein; zinc-finger DNA-binding protein; GATA-3 binding protein G3B
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PRDM2
Synonyms	KMT8, RIZ
Function	S-adenosyl-L-methionine-dependent histone methyltransferase that specifically methylates 'Lys-9' of histone H3 (PubMed:14633678). May function as a DNA-binding transcription factor (PubMed:8654390). Binds to the macrophage-specific TPA-responsive element (MTE) of the HMOX1 (heme oxygenase 1) gene and may act as a transcriptional activator of this gene (PubMed:8654390).
Cellular Location	Nucleus
Tissue Location	Highly expressed in retinoblastoma cell lines and in brain tumors. 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

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