

PRDM7 Rabbit pAb

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Catalog # AP57730

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NQW5
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55777
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PRDM7
Epitope Specificity	81-150/492
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Chromosome.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of a family of proteins that may have roles in transcription and other nuclear processes. The encoded protein contains a KRAB (Kruppel-associated box) domain -A box and a SET (Su(var)3-9, Enhancer-of-zeste, Trithorax) domain and may function as a histone methyltransferase. [provided by RefSeq, Aug 2013]

Additional Information

Gene ID	11105
Other Names	Histone-lysine N-methyltransferase PRDM7, 2.1.1.-, PR domain zinc finger protein 7, PR domain-containing protein 7, [histone H3]-lysine4 N-methyltransferase PRDM7, PRDM7 {ECO:0000303 PubMed:27129774, ECO:0000312 HGNC:HGNC:9351}
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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

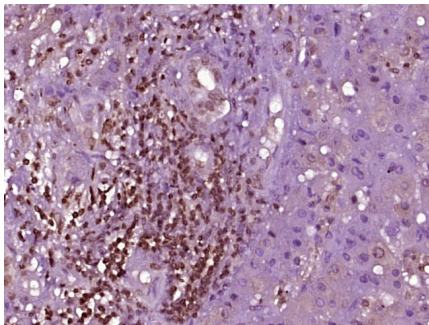
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Function	Histone methyltransferase that selectively methylates 'Lys-4' of dimethylated histone H3 (H3K4me2) to produce trimethylated 'Lys-4' histone H3 (H3K4me3). May play a role in epigenetic regulation of gene expression by defining an active chromatin state.
Cellular Location	Nucleus. Chromosome.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (human liver tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PRDM7) Polyclonal Antibody, Unconjugated (AP57730) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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