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PRMT5 Recombinant Rabbit mAb

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Catalog # AP94368

Product Information

Application	WB, IHC-P, IHC-F, IF
Host	Rabbit
Clonality	Recombinant
Calculated MW	70 KDa
Physical State	Liquid
Isotype	IgG/Kappa
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus.
SIMILARITY	Belongs to the protein arginine N-methyltransferase family.
SUBUNIT	Forms, at least, homodimers and homotetramers. Interacts with PRDM1. Component of the methylosome, a 20S complex containing at least pICLn, PRMT1/SKB1 and MEP50. Component of a high molecular weight E2F-pocket protein complex, CERC (cyclin E1 repressor complex). Also interacts with Sm proteins, JAK2, SSTR1 and SUPT5H. Associates with SWI/SNF remodeling complexes containing SMARCA2 and SMARCA4. Interacts with LSM11, PRMT7 and SNRPD3. Interacts with COPR5/C17orf79; promoting its recruitment on histone H4. Interacts with RPS10. Interacts with EGFR; methylates EGFR and stimulates EGFR-mediated ERK activation. Interacts with BRAF and with active RAF1. Interacts with HOXA9.
Post-translational modifications	Disulfide bonds and non-covalent association mediate homooligomers formation.
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 an enzyme that belongs to the methyltransferase family. The encoded protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation, and the assembly of small nuclear ribonucleoproteins. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Sep 2015]

Additional Information

Target/Specificity	Ubiquitous.
Dilution	WB=1:2000-1:10000,IHC-P=1:100-500,IHC-F=,IF=0
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

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.

Background

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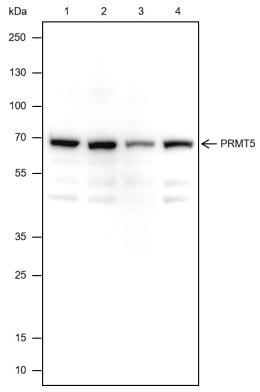
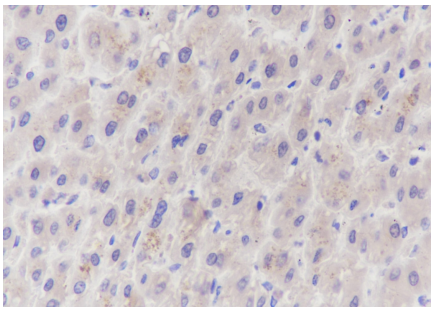
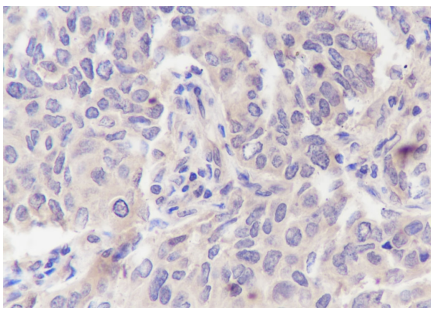
Images



Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:10000 Primary Ab incubation condition: 2 hours at room temperature Secondary Ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: 1: HeLa, 2: HEK-293, 3: MCF7, 4: HepG2 Protein loading quantity: 20 µg Exposure time: 10 s Predicted MW: 73 kDa Observed MW: 70 kDa



Tissue: Human liver Section type: Formalin-fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: SP Kit(Rabbit) (sp-0023) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94368



Tissue: Human breast cancer Section type: Formalin-fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary Ab dilution: 1:100 Primary Ab incubation condition: 1 hour at room temperature Secondary Ab: SP Kit(Rabbit) (sp-0023) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94368