

Rabbit PRMT5 Polyclonal Antibody | anti-PRMT5 antibody

Anti-PRMT5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254628	Rabbit	Human, Mouse Predicted to React with: Cynomolgus (Species predicted to react based on 100% sequence homology)	Immunohistochemistry

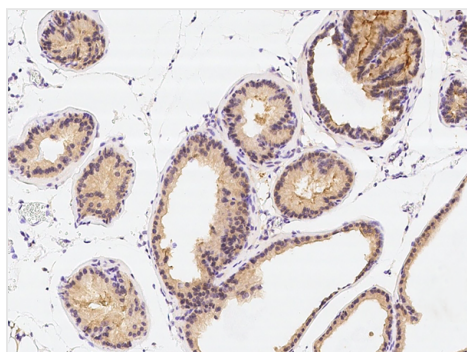
PRODUCT SYNONYMS

PRMT5; Polyclonal Antibody; Anti-PRMT5 Antibody; Rabbit Polyclonal; PRMT5/SKB1 Antibody; Rabbit PAb; Antigen Affinity Purified; protein arginine methyltransferase 5; Anti-HRMT1L5 Antibody; Anti-IBP72 Antibody; Anti-JBP1 Antibody; Anti-SKB1 Antibody; Anti-SKB1Hs Antibody; anti-PRMT5 antibody

PRODUCT SPECIFICATIONS

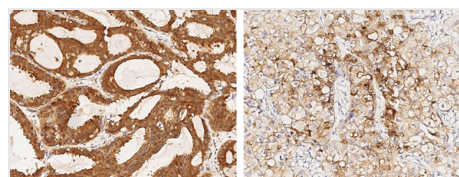
Host	Rabbit
Reactivity	Human, Mouse Predicted to React with: Cynomolgus (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PRMT5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PRMT5 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human PRMT5/SKB1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human PRMT5/SKB1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining PRMT5 in mouse prostate with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedd



IHC (Immunohistochemistry)

Immunochemical staining PRMT5 in human breast carcinoma (from 2 donors) with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT5 antibody	Methylation of arginine residues is a widespread post-translational modification of proteins catalyzed by a small family of PRMTs. The modification appears to regulate protein functions and interactions that affect gene regulation, signalling and subcellular localization of proteins and nucleic acids. Protein arginine methyltransferase 5 (PRMT5) is a member of the protein arginine N-methyltransferases (PRMT)family, and exists as at least homodimers and homotetramers, or homooligomers mediated by disulfide bonds and non-covalent association ubiquitously. PRMT5 specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3), and thus plays a role in the assembly and biogenesis of snRNP core particles. PRMT5 methylates histone H2A and H4 'Arg-3' during germ cell development, as well as histone H3 'Arg-8', which may repress transcription. PRMT5 also methylates SUPT5H and regulates its transcriptional elongation properties. Additionally, it is also suggested that PRMT5 negatively regulates cyclin E1 promoter activity and cellular proliferation.
References	Rho. J. et al., 2001, J.Biol. Chem. 276: 11393-11401. Fabrizio, E.et al., 2002, EMBO.Rep. 3: 641-645. Azzouz, T.N. et al., 2005, J.Biol. Chem. 280: 34435-34440. Pal, S., et al., 2004, Mol. Cell. Biol. 24:9630-9645. Herrmann, F.J. et al., 2009, Cell Sci. 122 (Pt 5): 667-77.

NCBI AND UNIPROT INFORMATION

NCBI GI #	32171585
NCBI GeneID	10419
UniProt Accession #	O14744; Q6IBR1; Q9UKH1; A8MTP3; A8MZ91; B4DX49; B4DY30; B5BU10; D3DS33; E2QRE7
Molecular Weight	637
NCBI Official Full Name	Protein arginine N-methyltransferase 5
NCBI Official Synonym Full Names	protein arginine methyltransferase 5
NCBI Official Symbol	PRMT5
NCBI Official Synonym Symbols	JBP1; SKB1; IBP72; SKB1Hs; HRMT1L5
NCBI Protein Information	protein arginine N-methyltransferase 5; SKB1 homolog; jak-binding protein 1; 72 kDa IClN-binding protein; HMT1 hnRNP methyltransferase-like 5; shk1 kinase-binding protein 1 homolog; histone-arginine N-methyltransferase PRMT5
UniProt Protein Name	Protein arginine N-methyltransferase 5
UniProt Gene Name	PRMT5
UniProt Synonym Gene Names	HRMT1L5; IBP72; JBP1; SKB1; SKB1 homolog; SKB1Hs
UniProt Entry Name	ANM5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.