

Datasheet for ABIN1387546
anti-PRMT5 antibody (AA 201-300)



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PRMT5
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRMT5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PRMT5
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PRMT5
---------	-------

Target Details

Alternative Name:	PRMT5 (PRMT5 Products)
Background:	Synonyms: 72 kDa ICln binding protein, 72 kDa ICln-binding protein, ANM5_HUMAN, Histone-arginine N-methyltransferase PRMT5, HMT1 hnRNP methyltransferase like 5, HOMOLOG OF, SKB1, HRMT1L5, IBP72, Jak-binding protein 1, JBP 1, JBP1, PRMT 5, PRMT5, Protein arginine methyltransferase 5, Protein arginine N methyltransferase 5, Protein arginine N-methyltransferase 5, S. POMBE, S. POMBE HOMOLOG OF, SKB1, SHK1 KINASE BINDING PROTEIN 1, Shk1 kinase binding protein 1 homolog, SHK1 KINASE-BINDING PROTEIN 1, Shk1 kinase-binding protein 1 homolog, SKB 1, SKB1, SKB1 homolog, SKB1: SKB1 homolog S. pombe, SKB1Hs. Background: Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3), such methylation being required for the assembly and biogenesis of snRNP core particles. Methylates SUPT5H. Mono- and dimethylates arginine residues of myelin basic protein (MBP) in vitro. Plays a role in the assembly of snRNP core particles. May play a role in cytokine-activated transduction pathways. Negatively regulates cyclin E1 promoter activity and cellular proliferation. May regulate the SUPT5H transcriptional elongation properties. May be part of a pathway that is connected to a chloride current, possibly through cytoskeletal rearrangement. Methylates histone H2A and H4 'Arg-3' during germ cell development. Methylates histone H3 'Arg-8', which may repress transcription. Methylates the Piwi proteins (PIWIL1, PIWIL2 and PIWIL4), methylation of Piwi proteins being required for the interaction with Tudor domain-containing proteins and subsequent localization to the meiotic nuage. Methylates RPS10.
Gene ID:	10419
Pathways:	Chromatin Binding , Regulation of Muscle Cell Differentiation , Ribonucleoprotein Complex Subunit Organization , Skeletal Muscle Fiber Development

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200
--------------------	---

Application Details

	IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months