Recombinant PRMT5 Monoclonal Antibody

catalog number: **AN301635L**

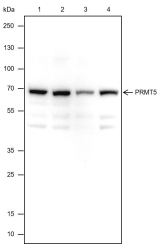
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant human PRMT5 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	C321258
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:2000-1:10000
IHC	1:50-1:100
IP	1:25-1:50

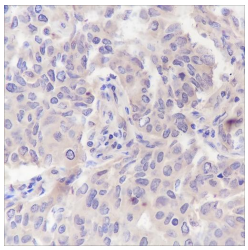
Data



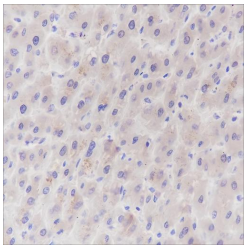
Western Blot with PRMT5 Monoclonal Antibody at dilution of 1:10000. Lane 1: HeLa, Lane 2: HEK-293, Lane 3: MCF7, Lane 4: HepG2

Observed-MW:70 kDa

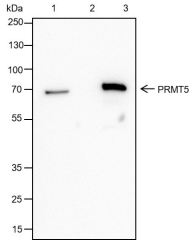
Calculated-MW:73 kDa



Immunohistochemistry of paraffin-embedded Human breast cancer using PRMT5 Monoclonal Antibody at dilution of 1:100.



Immunohistochemistry of paraffin-embedded Human liver cancer using PRMT5 Monoclonal Antibody at dilution of 1:100.



Immunoprecipitation analysis using anti-PRMT5 Monoclonal Antibody. Western blot was performed from the immunoprecipitate using PRMT5 Monoclonal Antibody at a dilution of 1:50. Lane 1: 5% Input, Lane 2: Rabbit monoclonal IgG Isotype, Lane 3: PRMT5 Monoclonal Antibody

Observed-MW:70 kDa

Calculated-MW:73 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

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Shipping	Ice bag

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 and may regulate its transcriptional elongation properties. Mono- and dimethylates arginine residues of myelin basic protein (MBP) in vitro. May play a role in cytokine-activated transduction pathways. Negatively regulates cyclin E1 promoter activity and cellular proliferation. 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.

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