

PRMT5 Antibody

Catalog No: #31262

Package Size: #31262-1 50ul #31262-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	PRMT5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PRMT5 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide peptide corresponding to a region derived from 622-637 amino acids of human protein arginine methyltransferase 5
Target Name	PRMT5
Other Names	protein arginine methyltransferase 5, JBP1, SKB1, IBP72, SKB1Hs, HRMT1L5
Accession No.	Swiss-Prot:O14744Gene ID:10419;
Uniprot	O14744
GeneID	10419;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

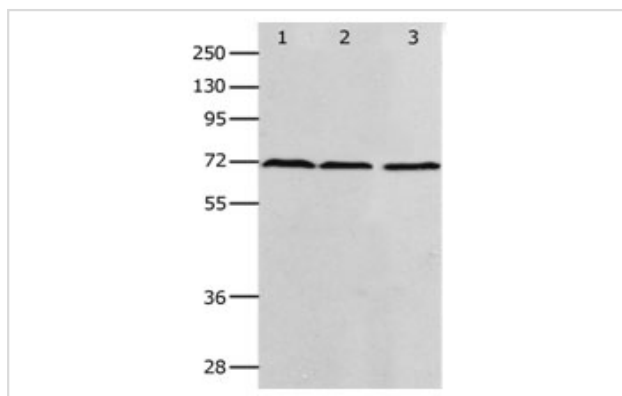
Predicted MW: 71kd

ELISA: 1:1000-1:2000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:15-1:50

Images



Gel: 10% SDS-PAGE

Lane1: K562 cell lysate

Lane2: HeLa cell lysate

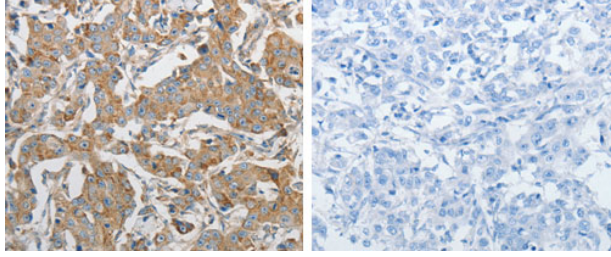
Lane3: 293T cell lysate

Lysates: 40ug per lane

Primary antibody: 1/400 dilution

Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/5000 dilution

Exposure time: 2 minutes



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 31262 (PRMT5 Antibody) at dilution 1/20, on the right is treated with the synthetic peptide.

Background

Protein arginine methyltransferase 5 has been shown to interact with WD repeat-containing protein 77, CLNS1A, Janus kinase 2, SNRPD3 and SUPT5H. 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.

Note: This product is for in vitro research use only