PRMT5 Antibody

Catalog No: #32297

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PRMT5 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF IP CHIP
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PRMT5 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human PRMT5.
Target Name	PRMT5
Other Names	HRMT1L5; IBP72; JBP1; SKB1; SKB1Hs
Accession No.	Swiss-Prot:O14744NCBI Gene ID:10419
SDS-PAGE MW	73KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:2000

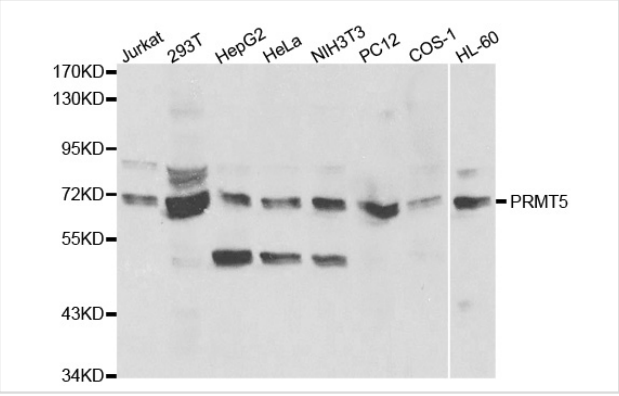
Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:50 - 1:200

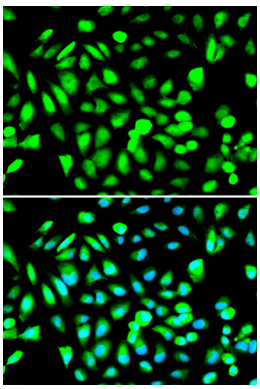
Immunoprecipitation: 1:20 - 1:100

Chromatin immunoprecipitation: 1:20 - 1:100

Images



Western blot analysis of extracts of various cell lines, using PRMT5 antibody.



Immunofluorescence analysis of A549 cell using PRMT5 antibody. Blue: DAPI for nuclear staining.

Background

Human Skb1Hs methyltransferase (also called JBP1), a homologue of yeast protein Skb1 and Hsl7p (1,2), is composed of 637 amino acid residues and contains motifs conserved among protein methyltransferases. It methylates histones and MBP in vitro (2). Yeast Hsl7p is involved in regulation of cell cycle progression through G2 by negatively regulating Swe1p, a protein tyrosine kinase that phosphorylates and inhibits Cdc28p (3). An Hsl7p homologue, Skb1, was identified in fission yeast by virtue of its yeast two-hybrid interaction with Shk1p, a p21 (cdc42p/Rac) activated kinase (PAK) (4). Both proteins belong to the protein methyltransferase superfamily (5). Interestingly, human Skb1Hs methyltransferase was shown to interact with Jak kinases. This suggests the possibility that the Skb1Hs methyltransferase could link Jak to a PAK signaling pathway in mammalian cells.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.