

PRMT5

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF IP ChIP

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:100 IF 1:50 - 1:200 IP 1:50 - 1:200

ChIP 1:20 - 1:100

Calculated MW: 73kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human PRMT5

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

f

Synonym:

HRMT1L5; IBP72; JBP1; SKB1; SKB1Hs; PRMT5; Skb1Hs Methyltransferase

Catalog #: A1520

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 10419

Isotype: IgG

Swiss Prot: O14744

Purity: Affinity purification

For research use only.

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.

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