

## 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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