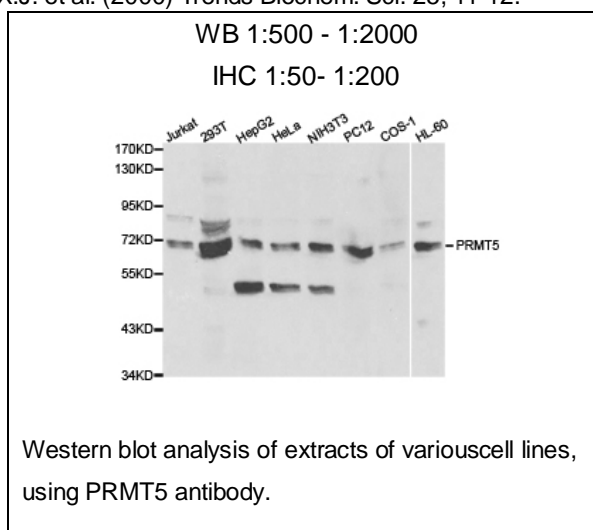




PRMT5 Polyclonal Antibody

E91520

- Catalog Number:** E91520
- Amount:** 100ul
- 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.
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** HRMT1L5; IBP72; JBP1; SKB1; SKB1Hs; PRMT5; Skb1Hs Methyltransferase
- Immunogen:** A synthetic peptide of human PRMT5
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 73kDa
- Swiss-Prot No. :** O14744
- Gene ID:** 10419
- References:** 1. Gilbreth, M. et al. (1998) Proc. Natl. Acad. Sci. USA 95, 14781-14786. 2. Pollack, B.P. et al. (1999) J. Biol. Chem. 274, 31531-31542. 3. Ma, X.J. et al. (1996) Genes Dev. 10, 1327-1340. 4. Gilbreth, M. et al. (1996) Proc. Natl. Acad. Sci. USA 93, 13802-13807. 5. Ma, X.J. et al. (2000) Trends Biochem. Sci. 25, 11-12.

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