

Goat anti-PRMT5 Antibody

Item Number dAP-1844

Target Molecule Principle Name: PRMT5; Official Symbol: PRMT5; All Names and Symbols: PRMT5; protein arginine methyltransferase 5; HRMT1L5; IBP72; JBP1; SKB1; SKB1Hs; HMT1 hnRNP methyltransferase-like 5; SKB1 homolog; Accession Number (s): NP_006100.2; NP_001034708.1; Human Gene ID(s): 10419; Non-Human GenelD(s): 27374 (mouse) 364382 (rat)

Immunogen RACREKDRDPEAQ, is from internal region
This antibody is expected to recognize both isoforms (NP_006100.2; NP_001034708.1).

Applications Pep ELISA, WB

Species Tested: Human

Purification Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied As lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Peptide ELISA Peptide ELISA: antibody detection limit dilution 1 to 16000.

Western Blot Western Blot: Approx 70kDa band observed in Jurkat lysates (calculated MW of 72.7kDa and 71.3kDa according to NP_006100.2; NP_001034708.1). Recommended concentration: 1-3µg/ml.

IHC

Reference Reference(s): Zhao Q, Rank G, Tan YT, Li H, Moritz RL, Simpson RJ, Cerruti L, Curtis DJ, Patel DJ, Allis CD, Cunningham JM, Jane SM. PRMT5-mediated methylation of histone H4R3 recruits DNMT3A, coupling histone and DNA methylation in gene silencing. *Nature structural & molecular biology* 2009 Mar 16 (3):

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**