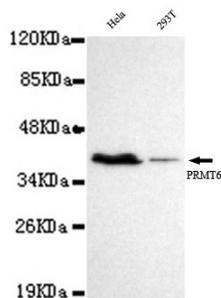




PRMT6

Mouse monoclonal Antibody

#53574

**Catalog Number:** 53574**Amount:** 100µg/100µl**Swiss-Prot No. :** Q96LA8**Gene name:** prmt6**Gene id:** 55170**Clone Number:** 2C3-F1-G1**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human PRMT6 protein fragments expressed in E.coli.**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of PRMT6 and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 42 kd WB: 1:1000 IHC/ ICC:1:300

Western blot detection of PRMT6 in HeLa and 293T cell lysates using PRMT6 mouse mAb (1:1000 diluted). Predicted band size: 42KDa. Observed band size: 42KDa.

**Background :**

PRMT6 is a protein arginine N-methyltransferase, and catalyzes the sequential transfer of a methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins to form methylated arginine derivatives and S-adenosyl-L-homocysteine. Protein arginine methylation is a prevalent post-translational modification in eukaryotic cells that has been implicated in signal transduction, the metabolism of nascent pre-RNA, and the transcriptional activation processes. PRMT6 is functionally distinct from two previously characterized type I enzymes, PRMT1 and PRMT4. In addition, PRMT6 displays automethylation activity; it is the first PRMT to do so. PRMT6 has been shown to act as a restriction factor for HIV replication.