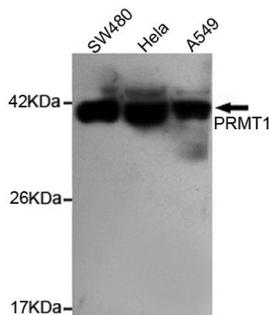


**PRMT1****Mouse monoclonal Antibody****#53132****Catalog Number:** 53132**Amount:** 100µg/100µl**Swiss-Prot No. :** Q99873**Gene name:** prmt1**Gene id:** 3276**Clone Number:** 4E9-H9-H12**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human PRMT1 protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of PRMT1 and does not cross-react with related proteins**Reactivity:** Human**Applications:** Predicted MW: 42kd WB: 1:1000

Western blot detection of PRMT1 in HeLa, A549 and SW480 cell lysates using PRMT1 mouse mAb (1:1000 diluted). Predicted band size: 42KDa. Observed band size: 42KDa.

Background:

This gene encodes a member of the protein arginine N-methyltransferase (PRMT) family. Post-translational modification of target proteins by PRMTs plays an important regulatory role in many biological processes, whereby PRMTs methylate arginine residues by transferring methyl groups from S-adenosyl-L-methionine to terminal guanidino nitrogen atoms. The encoded protein is a type I PRMT and is responsible for the majority of cellular arginine methylation activity. Increased expression of this gene may play a role in many types of cancer. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 5.