

For Research Use Only

PRMT5 Monoclonal antibody

Catalog Number: 68534-1-Ig



Basic Information

Catalog Number: 68534-1-Ig	GenBank Accession Number: BC025979	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10419	CloneNo.: 4A1B5
Source: Mouse	UNIPROT ID: O14744	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Full Name: protein arginine methyltransferase 5	
Immunogen Catalog Number: AG9678	Calculated MW: 637 aa, 73 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MCF-7 cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 cells
Species Specificity: Human, rat	

Background Information

PRMT5 is a Type II enzyme that catalyzes arginine monomethylation and symmetric dimethylation (Rme1 and Rme2s). The many targets of PRMT5 include ribosomal proteins, the histone chaperone nucleoplasmin, p53, and histones. PRMT5 is frequently observed in a complex with the cofactor, methylome protein 50 (MEP50), which is required for PRMT5 activity. PRMT5 is upregulated in several human malignancies, including lymphomas, lung cancer, breast cancer and colorectal cancer.

Storage

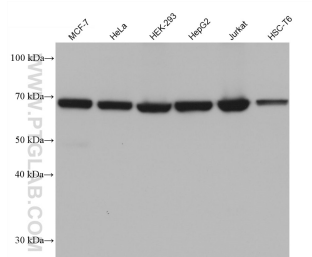
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68534-1-Ig (PRMT5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.