

For Research Use Only

PRMT7 Monoclonal antibody

Catalog Number: 67669-1-Ig **2 Publications**



Basic Information

Catalog Number: 67669-1-Ig	GenBank Accession Number: BC000146	Purification Method: Protein A purification
Size: 150ul , Concentration: 1200 ug/ml by Nanodrop and 500 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 54496	CloneNo.: 3C5H6
Source: Mouse	UNIPROT ID: Q9NVM4	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:200-1:800
Isotype: IgG2b	Full Name: protein arginine methyltransferase 7	
Immunogen Catalog Number: AG30434	Calculated MW: 78 kDa	
	Observed MW: 78 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : HeLa cells, HSC-T6 cells, HepG2 cells, Jurkat cells IF/ICC : Jurkat cells,
Cited Applications: WB	
Species Specificity: Human, rat	
Cited Species: human	

Background Information

Protein arginine methyltransferases (PRMTs) are responsible for arginine methylation of histone or nonhistone proteins to regulate diverse biological processes, including cell proliferation, differentiation and senescence. PRMT7 is expressed in both embryonic stem and germ cells and is implicated in maintenance of muscle stem cell function. overexpression of PRMT7 has been associated with cancer metastasis. PRMT7 automethylation at residue R531 was reported to enhance breast cancer metastasis.

Notable Publications

Author	Pubmed ID	Journal	Application
Yan Sun	37905571	EMBO J	WB
Ming Zhang	37541527	Gastroenterology	WB

Storage

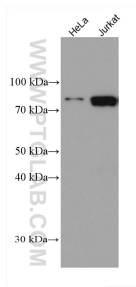
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

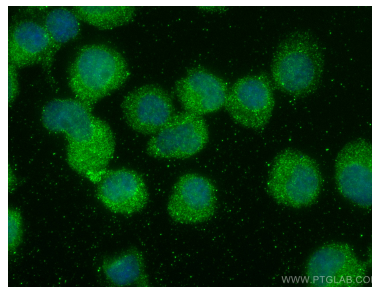
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67669-1-Ig (PRMT7 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using PRMT7 antibody (67669-1-Ig, Clone: 3C5H6) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L).