

For Research Use Only

# PRMT5 Recombinant antibody, PBS Only

Catalog Number: 82750-2-PBS



## Basic Information

Catalog Number:	82750-2-PBS	GenBank Accession Number:	BC025979	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	10419	CloneNo.:	250553B5
Source:	Rabbit	UNIPROT ID:	O14744		
Isotype:	IgG	Full Name:	protein arginine methyltransferase 5		
Immunogen Catalog Number:	AG9736	Calculated MW:	637 aa, 73 kDa		
		Observed MW:	68 kDa		

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**  
human, mouse, 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, methylosome 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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

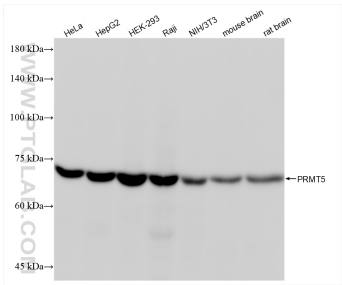
T: 4006900926

E: Proteintech-CN@ptglab.com

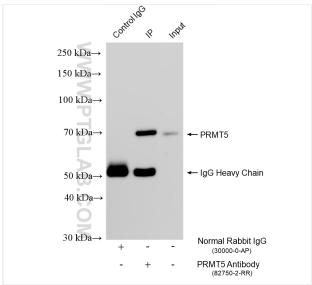
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

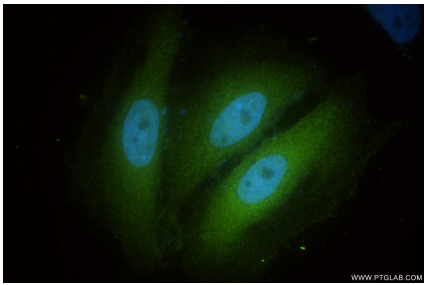
Selected Validation Data



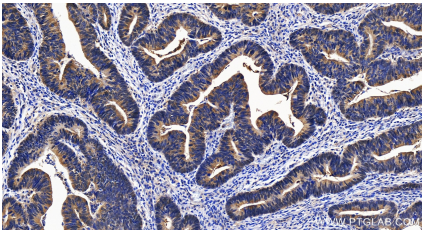
Various lysates were subjected to SDS PAGE followed by western blot with 82750-2-RR (PRMT5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82750-2-PBS in a different storage buffer formulation.



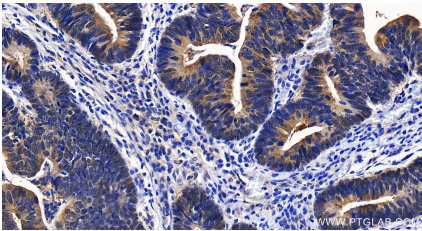
IP result of anti-PRMT5 (IP:82750-2-RR, 4ug; Detection:82750-2-RR 1:3000) with mouse brain tissue lysate 1720 ug. This data was developed using the same antibody clone with 82750-2-PBS in a different storage buffer formulation.



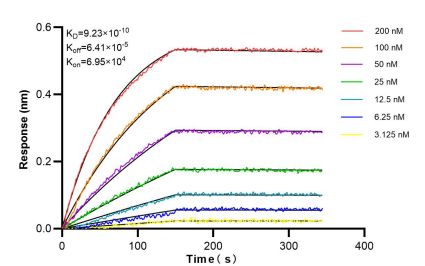
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PRMT5 antibody (82750-2-RR, Clone: 250553B5 ) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82750-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 82750-2-RR (PRMT5 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82750-2-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 82750-2-RR (PRMT5 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82750-2-PBS in a different storage buffer formulation.



Bilayer interferometry (BLI) kinetic assays of 82750-2-RR against Human PRMT5 were performed. The affinity constant is 0.923 nM.