

For Research Use Only

PRMT5 Recombinant antibody

Catalog Number: 82750-3-RR



Basic Information

Catalog Number:

82750-3-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9736

GenBank Accession Number:

BC025979

GeneID (NCBI):

10419

UNIPROT ID:

O14744

Full Name:

protein arginine methyltransferase 5

Calculated MW:

637 aa, 73 kDa

Observed MW:

67-70 kDa

Purification Method:

Protein A purification

CloneNo.:

250553F4

Recommended Dilutions:

WB: 1:5000-1:20000

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, HepG2 cells, mouse brain tissue, NIH/3T3 cells, Raji cells, rat brain tissue

IF/ICC : HepG2 cells,

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 nucleoplasm, 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

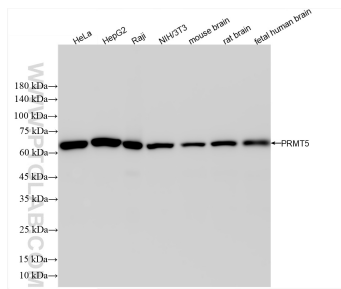
T: 4006900926

E: Proteintech-CN@ptglab.com

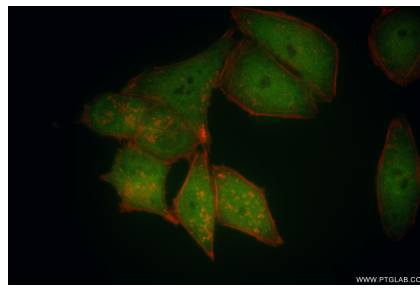
W: ptgcn.com

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 82750-3-RR (PRMT5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using PRMT5 antibody (82750-3-RR, Clone: 250553F4) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).