

# PRMT5 Monoclonal antibody

Catalog Number: 68534-1-Ig

## Basic Information

Catalog Number:

68534-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG9678

GenBank Accession Number:

BC025979

GeneID (NCBI):

10419

UNIPROT ID:

O14744

Full Name:

protein arginine methyltransferase 5

Calculated MW:

637 aa, 73 kDa

Observed MW:

68 kDa

Purification Method:

Protein G purification

CloneNo.:

4A1B5

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human, rat

Positive Controls:

WB : MCF-7 cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, HSC-T6 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 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:

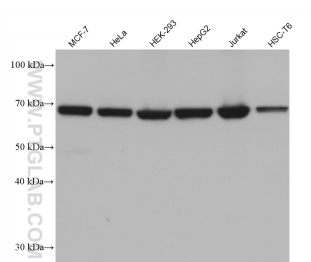
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.