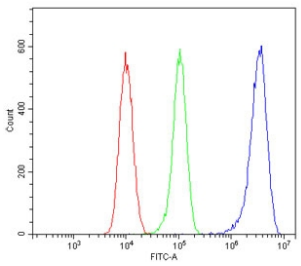
PRMT5 Antibody (RQ5621)

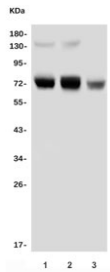
Catalog No.	Formulation	Size
RQ5621	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O14744
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This PRMT5 antibody is available for research use only.



Flow cytometry testing of human 293T cells with PRMT5 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PRMT5 antibody.



Western blot testing of 1) human HL-60, 2) rat thymus and 3) mouse kidney lysate with PRMT5 antibody. Expected molecular weight ~72 kDa.

Description

Protein arginine N-methyltransferase 5 is an enzyme that in humans is encoded by the PRMT5 gene. It is mapped to 14q11.2. This gene encodes an enzyme that belongs to the methyltransferase family. The encoded protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation, and the assembly of small nuclear ribonucleoproteins. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the PRMT5 antibody should be determined by the researcher.

Immunogen

A human recombinant protein (amino acids R18-A552) was used as the immunogen for the PRMT5 antibody.

Storage

After reconstitution, the PRMT5 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.