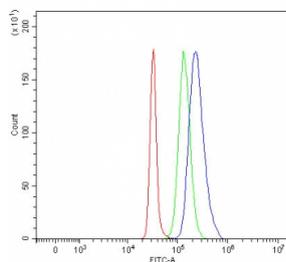


PRMT6 Antibody / Protein arginine N-methyltransferase 6 (RQ8222)

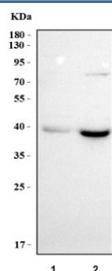
Catalog No.	Formulation	Size
RQ8222	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96LA8
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This PRMT6 antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with PRMT6 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PRMT6 antibody.



Western blot testing of human 1) 293T and 2) MCF7 cell lysate with PRMT6 antibody. Predicted molecular weight ~42 kDa.

Description

Protein arginine N-methyltransferase 6 is an enzyme that in humans is encoded by the PRMT6 gene. The protein encoded by this gene belongs to the arginine N-methyltransferase family, which catalyze the sequential transfer of methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins, to form methylated arginine derivatives and S-adenosyl-L-homocysteine. This protein can catalyze both, the formation of omega-N monomethylarginine and asymmetrical dimethylarginine, with a strong preference for the latter. It specifically mediates the asymmetric dimethylation of Arg2 of histone H3, and the methylated form represents a specific tag for epigenetic transcriptional repression. This protein also forms a complex with, and methylates DNA polymerase beta, resulting in stimulation of polymerase activity by enhancing DNA binding and processivity.

Application Notes

Optimal dilution of the PRMT6 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids Q45-D348) was used as the immunogen for the PRMT6 antibody.

Storage

After reconstitution, the PRMT6 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.