

PRMT6 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1067
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human PRMT6 expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Monkey
Clonality	Monoclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Protein arginine N-methyltransferase 6
Synonyms	PRMT6; HRMT1L6; Protein arginine N-methyltransferase 6; Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6; Histone-arginine N-methyltransferase PRMT6

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

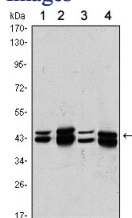
Recommended Dilution

ELISA: 1:10000

WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using PRMT6 Monoclonal antibody against A431 (1) HeLa (2) A549 (3) and HEK293 (4) cell lysate.

Storage

-20°C for one year