



Anti-PRMT6 Antibody

Alternative Names: HRMT1L6, PROTEIN ARGININE N-METHYLTRANSFERASE 6, Heterogeneous Nuclear Ribonucleoprotein Methyltransferase-Like Protein 6, HMT1 HnRNP Methyltransferase-Like 6, HMT1 HnRNP

Catalogue Number: AB18-10059-100ug

Size: 100 µg

Background Information

Protein arginine N-methyltransferase 6 (PRMT6) like other arginine N-methyltransferases, catalyses the sequential transfer of a 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.

PRMT6 catalyses both, the formation of omega-N monomethylarginine and asymmetrical dimethylarginine, with a strong preference for the latter. It specifically mediates the asymmetric dimethylation of histone H3 arginine 2 (H3R2me2a) 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.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	Full length recombinant human PRMT6		
Format:	100 µg in 100 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB IF WB 1:500-2000. IF 1:50-200.		

Additional Information

Subcellular location:	Nucleus	MW:	42kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	55170	Uniprot ID:	Q96LA8