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PRMT6 Antibody

CATALOG NUMBER: 48-512

Specifications

SPECIES REACTIVITY:	Human, Monkey
TESTED APPLICATIONS:	ICC, IHC, WB
APPLICATIONS:	PRMT6 antibody can be used in Western Blot, immunohistochemistry starting at 10 ug/mL, and flow cytometry.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	Synthetic peptide of human PRMT6.
IMMUNOGEN:	PRMT6 antibody was raised against a synthetic peptide of PRMT6 (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Protein G Column
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.02% sodium azide, 0.1 mg/mL BSA.
STORAGE CONDITIONS:	PRMT6 antibody should be stored long term (months) at -80 ˚C and short term (days) at 4 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	PRMT6, Arginine methyltransferase 6, HRMT1L6
ACCESSION NO.:	Q96LA8
PROTEIN GI NO.:	20137409
OFFICIAL SYMBOL:	PRMT6
GENE ID:	55170

Background

BACKGROUND:	Protein arginine methylation is an important posttranslational modification in eukaryotic cells, which has been implicated in RNA processing and trafficking, receptor-mediated signaling, and transcription. PRMT6 was identified by searching the human genome for protein arginine N-methyltransferase (PRMT) family members. PRMT6 cDNA codes for a protein of approximate molecular weight of 42 kDa consisting of a catalytic core sequence common to other PRMT enzymes. PRMT6 demonstrates type I PRMT activity, capable of forming both >NG-monomethylarginine and asymmetric >NG,NG-dimethylarginine derivatives on the recombinant glycine- and arginine-rich substrates. A comparison of substrate specificity reveals that PRMT6 is functionally distinct from two previously characterized type I enzymes, PRMT1 and PRMT4. In addition to methylating substrate proteins, PRMT6 displays automethylation activit. GFP-fusion protein expression in the transfected cell lines suggest that PRMT6 localizes in the nucleus.

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