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PRMT8 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP1219a

Specification

PRMT8 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9NR22

PRMT8 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 56341

Other Names
Protein arginine N-methyltransferase 8, 211-, Heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 4, PRMT8, HRMT1L3, HRMT1L4

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1219a was selected from the Center region of human PRMT8. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PRMT8 Antibody (Center) Blocking Peptide - Protein Information

Name PRMT8 (HGNC:5188)

Synonyms HRMT1L3, HRMT1L4

Function
S-adenosyl-L-methionine-dependent and membrane-associated arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and asymmetrical dimethylarginine (aDMA) in proteins such as NIFK, myelin basic protein, histone H4, H2A and H2A/H2B dimer (PubMed:16051612, PubMed:17925405, PubMed:26876602, PubMed:26529540). Able to mono- and dimethylate EWS protein; however its precise role toward EWS remains unclear as it still interacts with fully methylated EWS (PubMed:<a

href="http://www.uniprot.org/citations/18320585" target="_blank">18320585).

Cellular Location
Cell membrane; Lipid-anchor; Cytoplasmic side

Tissue Location
Brain-specific..

PRMT8 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PRMT8 Antibody (Center) Blocking Peptide - Images

PRMT8 Antibody (Center) Blocking Peptide - Background

Protein arginine methylation plays a role in signal transduction, RNA processing, transcriptional regulation, and DNA repair. PRMT8, a protein arginine N-methyltransferase most closely related to PRMT1, methylates the guanidino nitrogens of arginyl residues in some proteins. This protein associates with the plasma membrane following myristoylation and exhibits a brain-specific expression pattern, making it unique within this family of enzymes.

PRMT8 Antibody (Center) Blocking Peptide - References

Lee,J., J. Biol. Chem. 280 (38), 32890-32896 (2005)