

### PRMT8 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1219b

### **Specification**

# PRMT8 Antibody (C-term) - Product Information

**Application** WB,E **Primary Accession 09NR22** Other Accession O6PAK3 Reactivity Human Predicted Mouse Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 45291 Antigen Region 344-373

## PRMT8 Antibody (C-term) - 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

This PRMT8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 344-373 amino acids from the C-terminal region of human PRMT8.

#### **Dilution**

WB~~1:1000

#### **Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

PRMT8 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

# PRMT8 Antibody (C-term) - 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:18320585).

#### **Cellular Location**

Cell membrane; Lipid-anchor; Cytoplasmic side

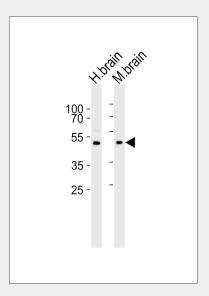
**Tissue Location** Brain-specific..

## PRMT8 Antibody (C-term) - Protocols

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

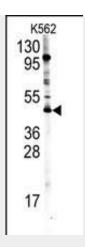
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## PRMT8 Antibody (C-term) - Images

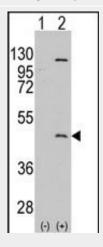


Western blot analysis of lysates from human brain, mouse brain tissue lysate (from left to right), using PRMT8 Antibody (C-term)(Cat. #AP1219b). AP1219b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.





Western blot analysis of PRMT8 Antibody (C-term) (Cat.#AP1219b) in K562 cell line lysates (35ug/lane). PRMT8 (arrow) was detected using the purified Pab.



Western blot analysis of PRMT8 (arrow) using rabbit polyclonal PRMT8 Antibody (C-term) (Cat.#AP1219b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PRMT8 gene (Lane 2) (Origene Technologies).

# PRMT8 Antibody (C-term) - 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 (C-term) - References

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