

PRMT7 blocking peptide
Catalog # PBV10024b**Specification**

PRMT7 blocking peptide - Product Information

Primary Accession	O9NVM4
Gene ID	54496
Calculated MW	78459

PRMT7 blocking peptide - Additional Information**Gene ID** 54496**Application & Usage**

The peptide is used for blocking the antibody activity of PRMT7. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Protein arginine N-methyltransferase 7, 2.1.1.-, Histone-arginine N-methyltransferase PRMT7, 2.1.1.125, [Myelin basic protein]-arginine N-methyltransferase PRMT7, 2.1.1.126, PRMT7, KIAA1933

Target/Specificity

PRMT7

Formulation

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

PRMT7 blocking peptide is for research use only and not for use in diagnostic or therapeutic procedures.

PRMT7 blocking peptide - Protein Information**Name** PRMT7**Synonyms** KIAA1933**Function**

Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm D1 (SNRPD1) and Sm D3 (SNRPD3); such methylation being required for the assembly and biogenesis of snRNP core particles. Specifically mediates the symmetric dimethylation of histone H4 'Arg-3' to form H4R3me2s. Plays a role in gene imprinting by being recruited by CTCFL at the H19 imprinted control region (ICR) and methylating histone H4 to form H4R3me2s, possibly leading to recruit DNA methyltransferases at these sites. May also play a role in embryonic stem cell (ESC) pluripotency. Also able to mediate the arginine methylation of histone H2A and myelin basic protein (MBP) in vitro; the relevance of such results is however unclear in vivo.

Cellular Location

Cytoplasm, cytosol. Nucleus

PRMT7 blocking peptide - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PRMT7 blocking peptide - Images