

Anti-PRMT7 Rabbit Monoclonal Antibody
Catalog # ABO16457**Specification**

Anti-PRMT7 Rabbit Monoclonal Antibody - Product Information

Application	WB
Primary Accession	Q9NVM4
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-PRMT7 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

Anti-PRMT7 Rabbit Monoclonal Antibody - Additional Information

Gene ID 54496

Other Names

Protein arginine N-methyltransferase 7, 2.1.1.321, Histone-arginine N-methyltransferase PRMT7, [Myelin basic protein]-arginine N-methyltransferase PRMT7, PRMT7, KIAA1933

Calculated MW

78 kDa KDa

Application Details

WB 1:500-1:2000

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human PRMT7

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-PRMT7 Rabbit Monoclonal Antibody - 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.

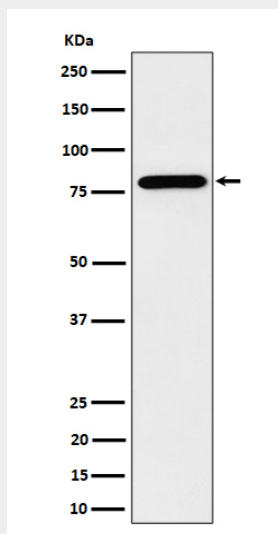
Cellular Location

Cytoplasm, cytosol. Nucleus

Anti-PRMT7 Rabbit Monoclonal Antibody - 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](#)

Anti-PRMT7 Rabbit Monoclonal Antibody - Images

Western blot analysis of PRMT7 expression in HeLa cell lysate.