

Anti-PRMT7 Antibody (aa327-340)

Goat Anti Human Polyclonal Antibody

Catalog # ALS17913

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9NVM4
Predicted	Human, Mouse, Monkey
Host	Goat
Clonality	Polyclonal
Calculated MW	78459
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	54496
Alias Symbol	PRMT7
Other Names	PRMT7, KIAA1933
Target/Specificity	Human PRMT7. This antibody is expected to recognize both reported isoforms (NP_061896.1; NP_001171753.1).
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-PRMT7 Antibody (aa327-340) is for research use only and not for use in diagnostic or therapeutic procedures.

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.