

Product Name: PRMT7 Rabbit Monoclonal Antibody
Catalog #: AMRe02475



Summary

Production Name	PRMT7 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
Purification	Affinity Purification

Immunogen

Gene Name	PRMT7
Alternative Names	SBIDDS
Gene ID	54496
SwissProt ID	Q9NVM4.

Application

Dilution Ratio	WB: 1:500-1:1000
Molecular Weight	Calculated MW: 78 kDa; Observed MW: 78 kDa

Background

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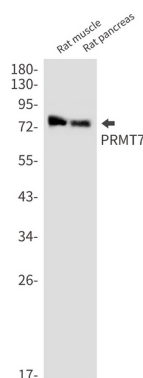


Arginine methyltransferase that can both catalyze the formation of omega-N monomethylarginine (MMA) and symmetrical dimethylarginine (sDMA), with a preference for the formation of MMA. Specifically mediates the symmetrical dimethylation of arginine residues in the small nuclear ribonucleoproteins Sm 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.

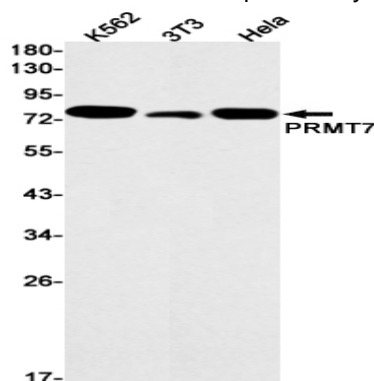
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of PRMT7 in rat muscle, rat pancreas lysates using PRMT7 antibody.



Western blot analysis of PRMT7 in K562, 3T3, HeLa lysates using PRMT7 antibody.

Note

For research use only.