

Rabbit anti-Human, Mouse PRMT7 Polyclonal Antibody | anti-PRMT7 antibody

PRMT7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA233099	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PRMT7; Polyclonal Antibody; PRMT7 Antibody; Protein arginine N-methyltransferase 7; Histone-arginine N-methyltransferase PRMT7; [Myelin basic protein]-arginine N-methyltransferase PRMT7; KIAA1933; anti-PRMT7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	642
Applicable Applications for anti-PRMT7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Protein arginine N-methyltransferase 7 protein (285-390AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-48657 / sc-48658 / sc-48660 / sc-98882
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescent analysis of HeLa cells using AAA233099 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA233099 at dilution of 1:100



WB (Western Blot)

Western BlotPositive WB detected in:Mouse spleen tissue,Mouse lung tissue,Mouse kidney tissue,Mouse brain tissueAll lanes: PRMT7 antibody at 6.2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 79,63,74,64 kDaObserved band size: 79 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT7 antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296317343
NCBI GeneID	54496
NCBI Accession #	NP_001171753.1
NCBI GenBank Nucleotide #	NM_001184824.1
UniProt Accession #	Q9NVM4; Q96PV5; Q9H9L0; B3KPR0; B3KUG9; B4E379
Molecular Weight	63,806 Da
NCBI Official Full Name	protein arginine N-methyltransferase 7 isoform 2
NCBI Official Synonym Full Names	protein arginine methyltransferase 7
NCBI Official Symbol	PRMT7
NCBI Official Synonym Symbols	SBIDDS
NCBI Protein Information	protein arginine N-methyltransferase 7
UniProt Protein Name	Protein arginine N-methyltransferase 7
UniProt Gene Name	PRMT7
UniProt Synonym Gene Names	KIAA1933
UniProt Entry Name	ANM7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prmt7-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/233099>