

Rabbit PRMT7 Polyclonal Antibody | anti-PRMT7 antibody

PRMT7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327313	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PRMT7; Polyclonal Antibody; PRMT7 Antibody; [Myelin basic protein]-arginine N-methyltransferase PRMT7; ANM7_HUMAN; FLJ10640; Histone-arginine N-methyltransferase PRMT7; KIAA1933; Myelin basic protein arginine N methyltransferase; OTTHUMP00000174863; Protein arginine methyltransferase 7; Protein arginine N-methyltransferase 7; anti-PRMT7 antibody

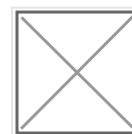
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PRMT7 antibody detects endogenous levels of total PRMT7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	642
Applicable Applications for anti-PRMT7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PRMT7
Subcellular Location	Cytoplasm, Cytosol. Nucleus.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit
Similarity	Pig (92%), Bovine (83%), Horse (83%), Sheep (92%), Rabbit (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of PRMT7 using K562 whole lysates.



WB (Western Blot)
Western blot analysis of extracts from mouse heart and rat lung, using PRMT7 Antibody.



IF (Immunofluorescence)

AAA327313 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT7 antibody	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. Subunit Structure: Homodimer and heterodimer (By similarity). Interacts with CTCFL (By similarity). Interacts with PRMT5 and SNRPD3. Similarity: Belongs to the class I-like SAM-binding methyltransferase superfamily. Protein arginine N-methyltransferase family. PRMT7 subfamily.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	296317343
NCBI GeneID	54496
NCBI Accession #	NP_001171753.1
NCBI GenBank Nucleotide #	NM_001184824.2
UniProt Accession #	Q9NVM4; Q96PV5; Q9H9L0; B3KPR0; B3KUG9; B4E379
Molecular Weight	Observed: 78 kDa Predicted: 79 kDa
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

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.