

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

PRMT7 Antibody (C-term)

CATALOG # AAA285431	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PRMT7; Polyclonal Antibody; PRMT7 Antibody (C-term); Protein arginine N-methyltransferase 7; 211-; Histone-arginine N-methyltransferase PRMT7; [Myelin basic protein]-arginine N-methyltransferase PRMT7; KIAA1933; anti-PRMT7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRMT7 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 660-692 amino acids from the C-terminal region of human PRMT7.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	660-692
Sequence Length	567
Applicable Applications for anti-PRMT7 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)

Western blot analysis of PRMT7 (arrow) using rabbit polyclonal PRMT7 Antibody (C-term).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PRMT7 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT7 antibody	Arginine methylation is an irreversible post translational modification which has only recently been linked to protein activity. At least three types of PRMT enzymes have been identified in mammalian cells. These enzymes have been shown to have essential regulatory functions by methylation of key proteins in several fundamental areas. These protein include nuclear proteins, IL enhancer binding factor, nuclear factors, cell cycle proteins, signal transduction proteins, apoptosis proteins, and viral proteins. The mammalian PRMT family currently consists of 7 members that share two large domains of homology. Outside of these domains, epitopes were identified and antibodies against all 7 PRMT members have been developed.
References	Lee,J.H., et al. J. Biol. Chem. 280 (5), 3656-3664 (2005) Miranda,T.B., et al. J. Biol. Chem. 279 (22), 22902-22907 (2004) Frankel A., et al. J. Biol. Chem. 277:3537-3543(2002). Pal, S., et al., Mol. Cell. Biol. 23(21):7475-7487 (2003). Rho, J., et al., J. Biol. Chem. 276(14):11393-11401 (2001). Pollack, B.P., et al., J. Biol. Chem. 274(44):31531-31542 (1999). Gilbreth, M., et al., PNAS 95(25):14781-14786 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	296317343
NCBI GeneID	54496
NCBI Accession #	NP_001171753.1; NP_061896.1
NCBI GenBank Nucleotide #	NM_001184824.1
UniProt Accession #	Q9NVM4; Q96PV5; Q9H9L0; B3KPR0; B3KUG9; B4E379
Molecular Weight	78459
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 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.