

Rabbit PRMT1 Polyclonal Antibody | anti-PRMT1 antibody

PRMT1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289811	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Immunohistochemistry, ELISA, Western Blot

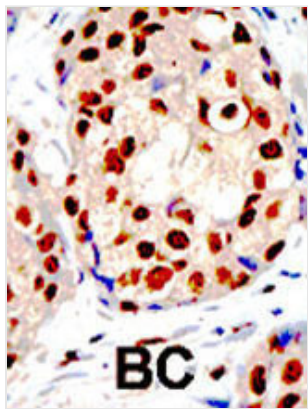
PRODUCT SYNONYMS

PRMT1; Polyclonal Antibody; PRMT1 Antibody (C-term); Protein arginine N-methyltransferase 1; 211-; Histone-arginine N-methyltransferase PRMT1; Interferon receptor 1-bound protein 4; HMT2; HRMT1L2; IR1B4; anti-PRMT1 antibody

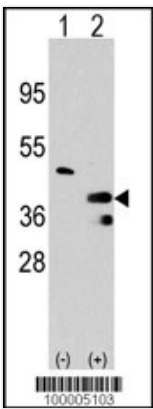
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRMT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 316-347 amino acids from the C-terminal region of human PRMT1.
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	316-347
Sequence Length	353
Applicable Applications for anti-PRMT1 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 PRMT1 (arrow) using rabbit polyclonal PRMT1 Antibody (C-term) (RB00005). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PRMT1 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT1 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.
Product Categories/Family for anti-PRMT1 antibody	Cancer; Cell biology
References	Zhang, X., et al., EMBO J. 19(14):3509-3519 (2000). Scorilas, A., et al., Biochem. Biophys. Res. Commun. 278(2):349-359 (2000). Scott, H.S., et al., Genomics 48(3):330-340 (1998). Abramovich, C., et al., EMBO J. 16(2):260-266 (1997). Nikawa, J., et al., Gene 171(1):107-111 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	154759421
NCBI GeneID	3276
NCBI Accession #	NP_001527.3; NP_938074.2
NCBI GenBank Nucleotide #	NM_001536.5
UniProt Accession #	Q99873; Q15529; Q2VP93; Q6LEU5; Q8WUW5; Q99872; Q99874; Q9NZ04; Q9NZ05; Q9NZ06; B4E3C3; G5E9B6
Molecular Weight	41516
NCBI Official Full Name	protein arginine N-methyltransferase 1 isoform 1
NCBI Official Synonym Full Names	protein arginine methyltransferase 1
NCBI Official Symbol	PRMT1
NCBI Official Synonym Symbols	ANM1; HCP1; IR1B4; HRMT1L2
NCBI Protein Information	protein arginine N-methyltransferase 1
UniProt Protein Name	Protein arginine N-methyltransferase 1

UniProt Gene Name	PRMT1
UniProt Synonym Gene Names	HMT2; HRMT1L2; IR1B4
UniProt Entry Name	ANM1_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://www.aaabiotech.com/polyclonal/prmt1-antibody-immunohistochemistry-western-blot-elisa/289811>