

Rabbit anti-Human PRMT1 Polyclonal Antibody | anti-PRMT1 antibody

PRMT1 Antibody

CATALOG # AAA233028	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, ELISA
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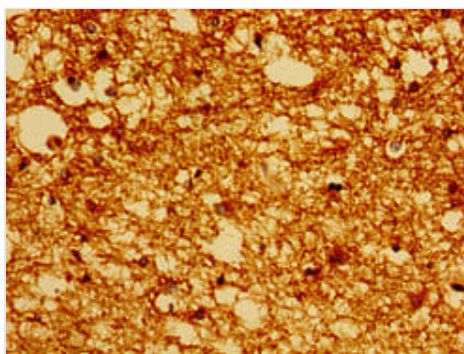
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

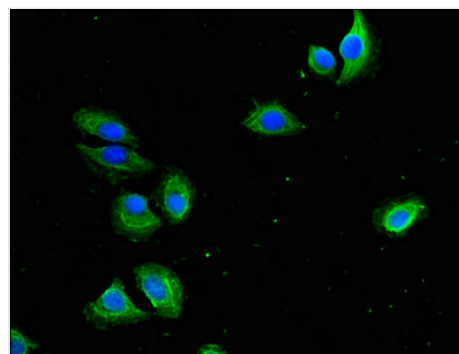
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	371
Applicable Applications for anti-PRMT1 antibody	IF (Immunofluorescence), ELISA
Immunogen	Recombinant Human Protein arginine N-methyltransferase 1 protein (1-248AA)
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-13392 / sc-13393 / sc-30119
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)

Immunohistochemistry of paraffin-embedded human brain tissue using AAA233028 at dilution of 1:100



IF (Immunofluorescence)

Immunofluorescent analysis of A549 cells using AAA233028 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT1 antibody	Arginine methyltransferase that methylates (mono and asymmetric dimethylation) the guanidino nitrogens of arginyl residues present in proteins such as ESR1, histone H2, H3 and H4, PIAS1, HNRNPA1, HNRNPD, NFATC2IP, SUPT5H, TAF15 and EWS. Constitutes the main enzyme that mediates monomethylation and asymmetric dimethylation of histone H4 'Arg-4' (H4R3me1 and H4R3me2a, respectively), a specific tag for epigenetic transcriptional activation. Together with dimethylated PIAS1, represses STAT1 transcriptional activity, in the late phase of interferon gamma (IFN-gamma) signaling. May be involved in the regulation of TAF15 transcriptional activity, act as an activator of estrogen receptor (ER)-mediated transactivation, play a key role in neurite outgrowth and act as a negative regulator of megakaryocytic differentiation, by modulating p38 MAPK pathway. Methylates FOXO1 and retains it in the nucleus increasing its transcriptional activity. Methylates CHTOP and this methylation is critical for its 5-hydroxymethylcytosine (5hmC)-binding activity (PubMed: 25284789). Methylates H4R3 in genes involved in glioblastomagenesis in a CHTOP- and/or TET1-dependent manner (PubMed: 25284789).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	154759421
NCBI GeneID	3276
NCBI Accession #	NP_001527.3
NCBI GenBank Nucleotide #	NM_001536.5
UniProt Accession #	Q99873; Q15529; Q2VP93; Q6LEU5; Q8WUW5; Q99872; Q99874; Q9NZ04; Q9NZ05; Q9NZ06; B4E3C3; G5E9B6
Molecular Weight	40,548 Da
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-immunofluorescence-elisa/233028>