

Rabbit PRMT1 Monoclonal Antibody | anti-PRMT1 antibody

PRMT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30343	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation, Immunoprecipitation

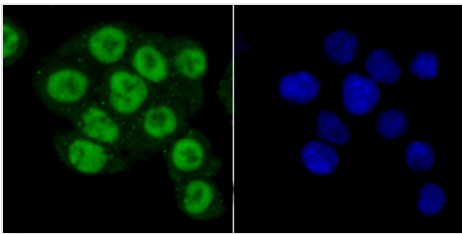
PRODUCT SYNONYMS

PRMT1; Monoclonal Antibody; PRMT1 Antibody; ANM 1 antibody; ANM1 antibody; ANM1_HUMAN antibody; HCP 1 antibody; HCP1 antibody; Heterogeneous nuclear ribonucleoprotein methyltransferase 1 like 2 antibody; Heterogeneous nuclear ribonucleoproteins methyltransferase like 2 antibody; Heterogeneous nuclear ribonucleoproteins methyltransferase like2 antibody; Histone-arginine N-methyltransferase PRMT1 antibody; HMT 2 antibody; HMT1 (hnRNP methyltransferase S. cerevisiae) like 2 antibody; HMT1 hnRNP methyltransferase antibody; HMT1 hnRNP methyltransferase like 2 (S. cerevisiae) antibody; HMT1 hnRNP methyltransferase like 2 antibody; HMT2 antibody; HRMT1 L2 antibody; HRMT1L 2 antibody; HRMT1L2 antibody; Human mRNA for suppressor for yeast mutant antibody; Human mRNA for suppressor for yeast mutant complete cds antibody; Interferon receptor 1 bound protein 4 antibody; Interferon receptor 1 bound protein4 antibody; Interferon receptor 1-bound protein 4 antibody; Interferon receptor 1bound protein 4 antibody; IR1 B4 antibody; IR1B 4 antibody; IR1B4 antibody; Mrmt 1 antibody; Mrmt1 antibody; PRMT 1 antibody; PRMT1 antibody; Protein arginine methyltransferase 1 antibody; Protein arginine N methyltransferase 1 antibody; Protein arginine N methyltransferase1 antibody; Protein arginine N-methyltransferase 1 antibody; R1B4 antibody; S. cerevisiae like 2 antibody; anti-PRMT1 antibody

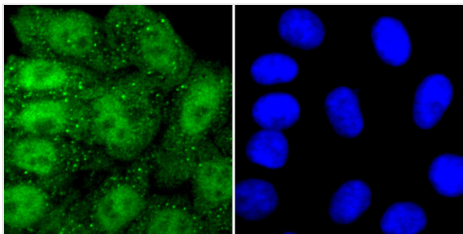
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JA11-17
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PRMT1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), ChIP (Chromatin Immunoprecipitation)
Application Notes	WB: 1:500-1:1000 IHC: 1:50-1:200 ICC: 1:100-1:500
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

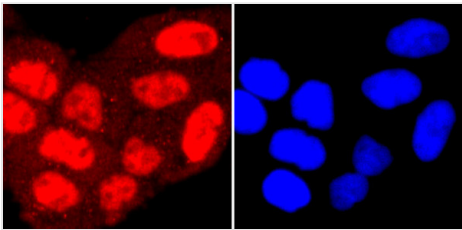
IMAGES



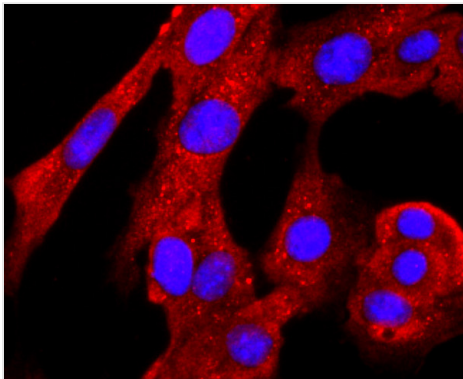
ICC (Immunocytochemistry)
ICC staining PRMT1 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



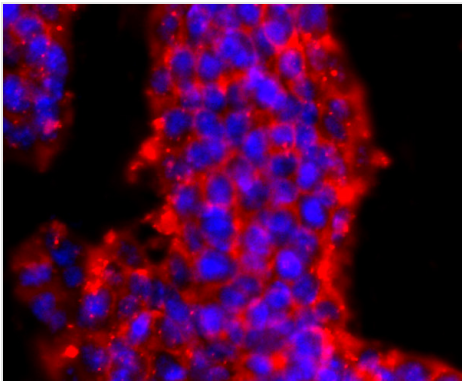
ICC (Immunocytochemistry)
ICC staining PRMT1 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



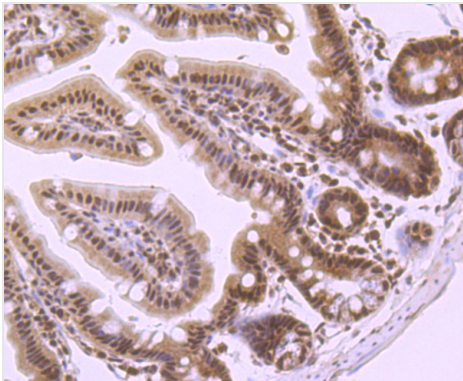
ICC (Immunocytochemistry)
ICC staining PRMT1 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining PRMT1 in NIH-3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining PRMT1 in D3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-PRMT1 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-PRMT1 antibody	A class of proteins termed type 1 protein arginine N-methyltransferase (PRMT) enzymes contribute to posttranslational modification of RNA-binding proteins, but differ in substrate specificities, oligomerization properties and subcellular localization. PRMT1, the predominant form in mammalian cells, is located in the nucleus, while PRMT3 is present in the cytoplasm. At the carboxy-terminus, interleukin enhancer-binding factor 3 (ILF3) binds PRMT1, thereby regulating PRMT1 activity. Alternative mRNA splicing of the PRMT gene results in three isoforms of PRMT1 that differ in their amino-terminus regions. All three splice variants of PRMT1 are enzymatically active. PRMT3 recognizes and binds to RNA-associated substrates with a zinc-finger domain in its amino-terminus. The zinc-liganded form of this domain is required for the enzyme to recognize RNA-associated substrates.
Product Categories/Family for anti-PRMT1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	161789011
NCBI GeneID	3276
UniProt Accession #	Q99873; Q15529; Q2VP93; Q6LEU5; Q8WUW5; Q99872; Q99874; Q9NZ04; Q9NZ05; Q9NZ06; B4E3C3; G5E9B6
Molecular Weight	361
NCBI Official Full Name	Protein arginine N-methyltransferase 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; interferon receptor 1-bound protein 4; histone-arginine N-methyltransferase PRMT1; HMT1 (hnRNP methyltransferase, S. cerevisiae)-like 2; heterogeneous nuclear ribonucleoprotein methyltransferase 1-like 2
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://stage.aaabiotech.com/monoclonal/prmt1-antibody-clone-ja11-17-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-chromatin-immunoprecipitation-elisa/30343>