

Rabbit anti-Human DNMT1 Polyclonal Antibody | anti-DNMT1 antibody

DNMT1 antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59945	Rabbit	Human	Western Blot, Immunoprecipitation, Immunofluorescence

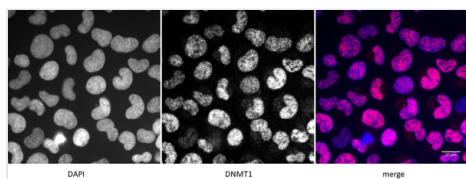
PRODUCT SYNONYMS

DNMT1; Polyclonal Antibody; DNMT1 antibody (pAb); AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN; anti-DNMT1 antibody

PRODUCT SPECIFICATIONS

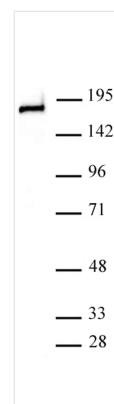
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Protein A Chromatography
Form/Format	Purified IgG in PBS with 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-DNMT1 antibody	WB (Western Blot), IP (Immunoprecipitation), IF (Immunofluorescence)
Immunogen	This DNMT1 antibody was raised against a recombinant protein corresponding to amino acids 1-110 of human DNMT1.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



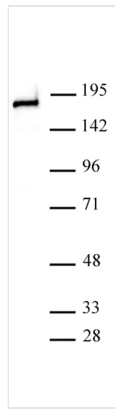
IF (Immunofluorescence)

Detection of DNMT1 by immunofluorescence. U2OS cells were stained with DNMT1 antibody at a dilution of 1:500. Left panel: DAPI. Middle panel: DNMT1 antibody staining. Right panel: merge.



WB (Western Blot)

DNMT1 antibody (pAb) tested by Western blot. Nuclear extract of HeLa cells (20 ug per lane) probed with DNMT1 antibody (pAb) at a dilution of 0.5 ug/ml.



WB (Western Blot)
 DNMT1 antibody (pAb) tested by Immunoprecipitation. 10 ug of DNMT1 antibody was used to immunoprecipitate DNMT1 from 250 ug of HeLa nuclear cell extract (lane 2). 10 ug of rabbit IgG was used as a negative control (lane 1). The immunoprecipitated protein was detected by Western blotting using the DNMT1 antibody at a dilution of 0.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT1 antibody	Short Description: Our DNMT1 antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunofluorescence, Immunoprecipitation and Western blot; it has been shown to react with Human samples. Background: DNMT1 (DNA (cytosine-5)-methyltransferase) proteins are involved in DNA methylation in which a methyl group is added to a cytosine residue on DNA, commonly at the C5 position of a CpG dinucleotide. Three families of DNMTs have been identified: DNMT1, DNMT2, and DNMT3 (comprised of DNMT3A and DNMT3B). DNMT1 is the most abundant DNMT in somatic cells and shows a preference for methylating hemi-methylated DNA. It is considered to be a maintenance DNA methyltransferase that is important in the maintenance of specific patterns of methylation throughout cellular divisions. Methylation of mammalian DNA has long been recognized to play a major role in a number of cellular functions such as embryonic development, genetic imprinting, X chromosome inactivation and the control of gene expression. DNA methylation is generally associated with transcriptional repression.
Product Categories/Family for anti-DNMT1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503351
NCBI GeneID	1786
NCBI Accession #	NP_001370; AB_2793389
NCBI GenBank Nucleotide #	NM_001379.2
UniProt Accession #	P26358; Q9UHG5; Q9ULA2; Q9UMZ6; A0AV63; B7ZLW6
Molecular Weight	144,465 Da
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 1 isoform b
NCBI Official Synonym Full Names	DNA (cytosine-5)-methyltransferase 1
NCBI Official Symbol	DNMT1
NCBI Official Synonym Symbols	AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 1; DNA (cytosine-5)-methyltransferase 1; m.HsaI; DNA MTase HsaI; DNA methyltransferase HsaI; CXXC-type zinc finger protein 9
UniProt Protein Name	DNA (cytosine-5)-methyltransferase 1
UniProt Gene Name	DNMT1

UniProt Synonym Gene Names	AIM; CXXC9; DNMT; Dnmt1; DNA MTase HsaI; M.HsaI
UniProt Entry Name	DNMT1_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/polyclonal/dnmt1-antibody-western-blot-immunoprecipitation-immunofluorescence-elisa/59945>