

Rabbit DNMT1 Polyclonal Antibody | anti-DNMT1 antibody

DNMT1 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28335	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

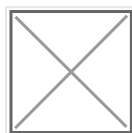
PRODUCT SYNONYMS

DNMT1; Polyclonal Antibody; DNMT1 Rabbit pAb; ADCADN; AIM; CXXC9; DNMT; HSN1E; MCMT; m.Hsa; anti-DNMT1 antibody

PRODUCT SPECIFICATIONS

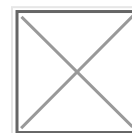
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-DNMT1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 IP: 1:50-1:100 Customer Validation: WB: Human, Mouse, Rat IF: Human, Mouse
Immunogen	Recombinant protein of human DNMT1.
Cellular Location	Nucleus
Positive Samples	293T, HeLa, Mouse brain, Rat brain
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3ug DNMT1 antibody . Western blot was performed from the immunoprecipitate using DNMT1 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Confocal immunofluorescence analysis of HeLa cells using DNMT1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

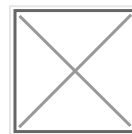
Confocal immunofluorescence analysis of HeLa cells using DNMT1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of NIH/3T3 cells using DNMT1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

**IF (Immunofluorescence)**

Immunofluorescence analysis of C6 cells using DNMT1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded human tonsil using DNMT1 antibody at dilution of 1:200 (40x lens).

ADDITIONAL INFORMATION

Related Product Information for anti-DNMT1 antibody	Background: This gene encodes an enzyme that transfers methyl groups to cytosine nucleotides of genomic DNA. This protein is the major enzyme responsible for maintaining methylation patterns following DNA replication and shows a preference for hemi-methylated DNA. Methylation of DNA is an important component of mammalian epigenetic gene regulation. Aberrant methylation patterns are found in human tumors and associated with developmental abnormalities. Variation in this gene has been associated with cerebellar ataxia, deafness, and narcolepsy, and neuropathy, hereditary sensory, type IE. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-DNMT1 antibody	Epigenetics & Nuclear Signaling ; Epigenetic writers and erasers of core Histones ; DNA methylation ; Research ; Protein phosphorylation

NCBI AND UNIPROT INFORMATION

NCBI GI #	12231019
NCBI GeneID	1786
UniProt Accession #	P26358 ; Q9UHG5 ; Q9ULA2 ; Q9UMZ6 ; A0AV63 ; B7ZLW6
Molecular Weight	1616
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 1
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-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/28335>