

Mouse anti-Human DNMT1/DNA Methyltransferase 1 Monoclonal Antibody | anti-DNMT1 antibody

DNMT1/DNA Methyltransferase 1

CATALOG # AAA214927	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

DNMT1/DNA Methyltransferase 1; Monoclonal Antibody; ADCADN; AIM; CXXC-type zinc finger protein 9; CXXC9; DNA methyltransferase 1 (DNMT1); HSN1E; MCMT; Met1; MommeD2; anti-DNMT1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	DNMT1/2061
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	1616
Applicable Applications for anti-DNMT1 antibody	IHC (Immunohistochemistry)
Positive Control	Raji cells. Tonsil or Placenta.
Immunogen	Recombinant human DNMT1 protein fragment (around aa 767-912) (exact sequence is proprietary)
Cellular Localization	Nuclear
Hu-chromosome Location	19p13.2
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified DNMT1 Mouse Monoclonal Antibody (DNMT1/2061).
Confirmation of Integrity and Purity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with DNMT1 Mouse Monoclonal Antibody (DNMT1/2061).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Placenta stained with DNMT1 Mouse Monoclonal Antibody (DNMT1/2061).

ADDITIONAL INFORMATION

References	1. Transcriptional regulation of the human DNA Methyltransferase (dnmt1) gene. Gene 242: 407-41. 2. Bigey, P., Ramchandani, S., Theberge, J., Araujo, F.D. and Szyf, M. 2000
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12231019
NCBI GeneID	1786
UniProt Accession #	P26358
Molecular Weight	184kDa
NCBI Official Full Name	DNA (cytosine-5)-methyltransferase 1
NCBI Official Synonym Full Names	DNA methyltransferase 1
NCBI Official Symbol	DNMT1
NCBI Official Synonym Symbols	AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN; m.HsaI
NCBI Protein Information	DNA (cytosine-5)-methyltransferase 1
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/monoclonal/dnmt1-dna-methyltransferase-1-antibody-clone-dnmt1-2061-immunohistochemistry-elisa/214927>