

Acetyl-DNMT1-K1127/K1129/K1131/K1133 pAb

Catalog No	A5595	Category	Acetylated Antibodies
Applications	WB	Observed MW	Refer to Figures
Cross-Reactivity	Human	Calculated MW	144kDa/183kDa/184kDa

Immunogen Information

Immunogen	A synthetic peptide of human DNMT1
Gene ID	1786
Swiss Prot	P26358
Synonyms	ADCADN,AIM,CXXC9,DNMT,HSN1E,m.HsaI,MCMT

Product information

Source	Rabbit
Isotype	IgG
Purity	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.

Recommended Dilutions

WB	1:500 - 1:2000
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