

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

<b>Catalog No.</b>	A5595	<b>Category</b>	Acetylated Antibodies
<b>Applications</b>	WB	<b>Observed MW</b>	Refer to figures
<b>Cross-reactivity</b>	Human	<b>Calculated MW</b>	144kDa/183kDa/184kDa

### Immunogen Information

<b>Immunogen</b>	A synthetic peptide of human DNMT1
<b>Gene ID</b>	1786
<b>Swiss prot</b>	P26358
<b>Synonyms</b>	ADCADN;AIM;CXXC9;DNMT;HSN1E;m.Hsal;MCMT

### Product information

<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	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 hemimethylated 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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