

<b>Catalog Number</b>	A15050
<b>Synonyms</b>	AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN; m.HsaI; DNMT1
<b>Reactivity</b>	Human,Mouse,Rat
<b>Tested applications</b>	ELISA,WB,IHC-P,IF/ICC,IP
<b>Host species</b>	Rabbit
<b>Background</b>	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.
<b>Gene Id</b>	1786
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purification
<b>Swiss Prot</b>	P26358
<b>Recommended dilution</b>	WB,1:500 - 1:1000 IHC-P,1:50 - 1:200 IF/ICC,1:50 - 1:200 IP,0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
<b>CALCULATED MW</b>	183kDa
<b>OBSERVED MW</b>	200kDa
<b>IMMUNOGEN</b>	Recombinant fusion protein containing a sequence corresponding to amino acids 1-124 of DNMT1 (NP_001370.1).
<b>POSITIVE SAMPLES</b>	HeLa,293T,Jurkat,U-87MG,Mouse testis
<b>CELLULAR LOCALIZATION</b>	Nucleus,
<b>STORAGE BUFFER</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

**FOR RESEARCH USE ONLY. NOT FOR THERAPEUTIC OR DIAGNOSTIC APPLICATIONS. READ THROUGH ALL PROCEDURES BEFORE USE.**