

# DNMT1 Rabbit pAb

Catalog No.: A5495 **20 Publications**

## Basic Information

### Observed MW

200kDa

### Calculated MW

183kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,IP,ELISA

### Cross-Reactivity

Human

## 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

**IF/ICC** 1:50 - 1:200

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements.

## Immunogen Information

### Gene ID

1786

### Swiss Prot

P26358

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 760-1109 of DNMT1 (NP\_001370.1).

### Synonyms

AIM; DNMT; MCMT; CXXC9; HSN1E; ADCADN; m.Hsal; DNMT1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

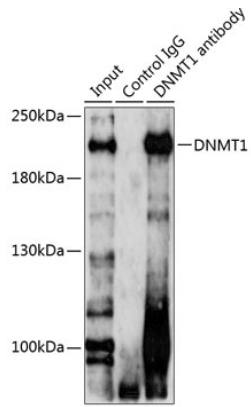
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

## Validation Data

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Immunoprecipitation analysis of 200  $\mu$ g extracts of 293T cells using 3  $\mu$ g DNMT1 antibody (A5495). Western blot was performed from the immunoprecipitate using DNMT1 antibody (A5495) at a dilution of 1:1000.