

DNMT1 Rabbit mAb

Catalog No.: A16261 **Recombinant**

Basic Information

Observed MW

240kDa

Calculated MW

183kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IF/ICC, FC

Cross-Reactivity

Human, Mouse, Rat

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 |
| IHC-P | 1:50 - 1:200 |
| IF/ICC | 1:50 - 1:200 |
| FC | 1:20 - 1:50 |

Immunogen Information

| | |
|----------------|-------------------|
| Gene ID | Swiss Prot |
| 1786 | P26358 |

Immunogen

A synthetic peptide of human DNMT1

Synonyms

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

Contact

 | www.abclonal.com

Product Information

| | | |
|---------------|----------------|-----------------------|
| Source | Isotype | Purification |
| Rabbit | IgG | Affinity purification |

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.