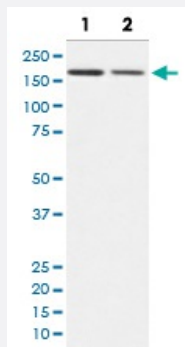


DNMT1 monoclonal antibody, clone AODB-4

Catalog # MAB19983 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of (1) HEK293 cell lysate; (2) NIH/3T3 cell lysate with DNMT1 monoclonal antibody.

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human DNMT1.

Immunogen A synthetic peptide corresponding to human DNMT1.

Host Rabbit

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage

- Immunocytochemistry (1:50-1:200)
- Immunofluorescence (1:50-1:200)
- Immunohistochemistry (1:50-1:200)
- Western Blot (1:500-1:2000)
- The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) HEK293 cell lysate; (2) NIH/3T3 cell lysate with DNMT1 monoclonal antibody.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

Gene Info — DNMT1

Entrez GeneID[1786](#)**Protein Accession#**[P26358](#)**Gene Name**

DNMT1

Gene Alias

AIM, CXXC9, DNMT, FLJ16293, MCMT, MGC104992

Gene Description

DNA (cytosine-5-)-methyltransferase 1

Omim ID[126375](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

CXXC finger protein 9|DNA methyltransferase 1

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Arsenic Poisoning](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Cues](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Satiety Response](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)