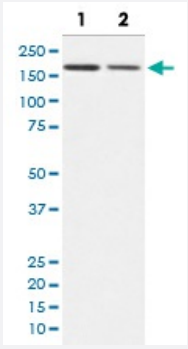
DNMT1 monoclonal antibody, clone AODB-4

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.

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Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored 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 shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Immunofluorescence
- Immunocytochemistry
- Western Blot (Cell lysate)

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

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-sp ecific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding differen t isoforms have been found for this gene. [provided by RefSeq
Other Designations	CXXC finger protein 9|DNA methyltransferase 1

Pathway

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- 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

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