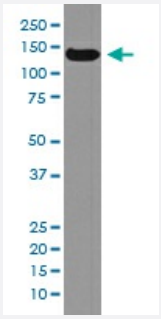
DNMT3A monoclonal antibody, clone EOI-4

Catalog # MAB19984 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa cell lysate with DNMT3A monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human DNMT3A.
Immunogen	A synthetic peptide corresponding to human DNMT3A.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry (1:100-1:500) Immunofluorescence (1:100-1:500) 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 st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

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

Applications

- Immunofluorescence
- Immunocytochemistry
- Western Blot (Cell lysate)

  Western blot analysis of HeLa cell lysate with DNMT3A monoclonal antibody.

Gene Info — DNMT3A

Entrez GeneID	1788
Protein Accession#	Q9Y6K1
Gene Name	DNMT3A
Gene Alias	DNMT3A2, M.HsaIIIA
Gene Description	DNA (cytosine-5-)-methyltransferase 3 alpha
Omim ID	602769
Gene Ontology	Hyperlink
Gene Summary	CpG methylation is an epigenetic modification that is important for embryonic development, impri nting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation i s required for mammalian development. This gene encodes a DNA methyltransferase that is thou ght to function in de novo methylation, rather than maintenance methylation. The protein localizes t o the cytoplasm and nucleus and its expression is developmentally regulated. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq
Other Designations	DNA MTase HsaIIIA|DNA cytosine methyltransferase 3 alpha|DNA cytosine methyltransferase 3A 2|DNA methyltransferase HsaIIIA|OTTHUMP00000120005|OTTHUMP00000120006

Pathway

- Cysteine and methionine metabolism
- Metabolic pathways

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Disease

- Alzheimer disease
- Breast cancer
- Breast Neoplasms
- Colorectal Neoplasms
- Crohn Disease
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Leukemia
- Neoplasms
- Ovarian cancer
- Ovarian Neoplasms
- Spinal Dysraphism
- Stomach Neoplasms

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