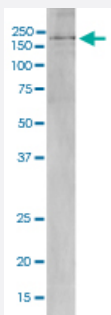


DNMT1 monoclonal antibody, clone 4G11-C7

Catalog # MAB11764

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of Jurkat lysates with DNMT1 monoclonal antibody, clone 4G11-C7 (Cat # MAB11764) at 1:100 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant DNMT1.
Immunogen	Recombinant protein corresponding to amino acids of 620-950 of human DNMT1.
Host	Mouse
Reactivity	Human, Mouse, Zebra fish
Specificity	The antibody will cross-react with mouse DNMT1.
Form	Liquid
Purification	Protein G Purification
Isotype	IgG1 Kappa
Recommend Usage	Immunohistochemistry (1:1000) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide).

Storage Instruction

Store at -20°C.
Aliquot to 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

- ChIP
- Western Blot (Cell lysate)
Western blot analysis of Jurkat lysates with DNMT1 monoclonal antibody, clone 4G11-C7 (Cat # MAB11764) at 1:100 dilution.
- Immunohistochemistry
- Immunoprecipitation

Gene Info — DNMT1

Entrez GeneID [1786](#)

Protein Accession# [NP_001370](#)

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

Publication Reference

- [Sesamol Epigenetically Induces Estrogen Receptor \$\alpha\$ Re-expression by Upregulating miR-370-3p in Estrogen Receptor \$\alpha\$ -Negative Breast Cancer.](#)

Xiao Ma, Juhong Wang, Guifen Hu, Yinggang Chen, Xiaoling Hu, Yijia Zhu, Linchao Ding, Shilong Ning.

Journal of Agricultural and Food Chemistry 2021 Aug; 69(31):8737.

Application: ChIP, IHC-P, WB-Ce, WB-Tr, Human, Mouse, Hs-578T, MDA-MB-231 cells, Mouse tumors

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](#)