DNMT1 monoclonal antibody, clone 4G11-C7 (ATTO 594)

Catalog # MAB11768 Size 100 ug

Applications

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

Application Data with Unconjugated Antibody

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
Conjugation	ATTO 594
Extinction Coefficient	80,000
Excitation (Max)	601 nm
Emission (Max)	627 nm
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 shoul d be handled by trained staff only. Application Data with Unconjugated Antibody Western Blot (Cell lysate) Western blot analysis of Jurkat lysates with DNMT1 monoclonal antibody, clone 4G11-C7 (Cat # MA B11764) at 1:100 dilution.

Applications

- ChIP
- Western Blot (Cell lysate)
- 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

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