

MGMT Antibody

Purified Mouse Monoclonal Antibody Catalog # AO2041a

Specification

MGMT Antibody - Product Information

Application E, WB
Primary Accession P16455
Reactivity Human
Host Mouse
Clonality Monoclonal
Isotype IgG1

Calculated MW 21.6kDa KDa

Description

MGMT involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) in DNA.Repairs alkylated guanine in DNA by stoichiometrically transferring the alkyl group at the O-6 position to a cysteine residue in the enzyme. This is a suicide reaction: the enzyme is irreversibly inactivated

Immunogen

Purified recombinant fragment of human MGMT (AA: 32-210) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

MGMT Antibody - Additional Information

Gene ID 4255

Other Names

Methylated-DNA--protein-cysteine methyltransferase, 2.1.1.63, 6-O-methylguanine-DNA methyltransferase, MGMT, O-6-methylguanine-DNA-alkyltransferase, MGMT

Dilution

E~~1/10000

WB~~1/500 - 1/2000

Storage

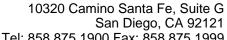
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

MGMT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

MGMT Antibody - Protein Information

Name MGMT





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Function

Involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) and O4-methylthymine (O4-MeT) in DNA. Repairs the methylated nucleobase in DNA by stoichiometrically transferring the methyl group to a cysteine residue in the enzyme. This is a suicide reaction: the enzyme is irreversibly inactivated.

Cellular Location Nucleus.

MGMT Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture