

MGMT Antibody

Purified Mouse Monoclonal Antibody Catalog # AO2041a

Specification

MGMT Antibody - Product Information

Application WB, E
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

WB~~1/500 - 1/2000 E~~1/10000

Storage

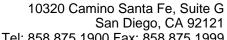
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

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

MGMT Antibody - Protein Information

Name MGMT





Tel: 858.875.1900 Fax: 858.875.1999

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