

MGMT Antibody
Rabbit mAb
Catalog # AP90980

Specification

MGMT Antibody - Product Information

Application	WB, IHC
Primary Accession	P16455
Clonality	Monoclonal
Other Names MGMT;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	21646 Da

MGMT Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human MGMT
Description	MGMT (O-6-methylguanine-DNA methyltransferase) is a DNA repair enzyme that participates in a suicide reaction that specifically removes methyl or alkyl groups from the O(6) position of guanine, restoring guanine to its normal form without causing DNA breaks. MGMT protects cells from alkylating toxins, and is an important factor in drug resistance to alkylating therapeutic agents.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

MGMT Antibody - Protein Information

Name MGMT

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

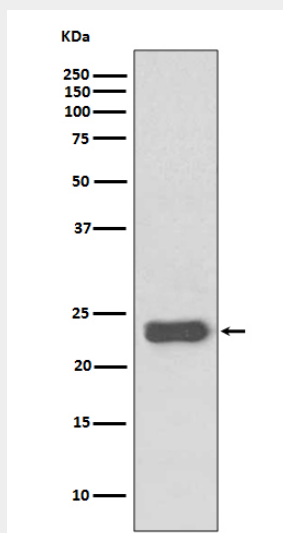
Nucleus.

MGMT Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MGMT Antibody - Images



Western blot analysis of MGMT expression in HeLa cell lysate.