

MGMT recombinant antibody

MGMT Antibody

CATALOG # AAA244000	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

MGMT; Monoclonal Recombinant Antibody; MGMT Antibody; Methylated-DNA--protein-cysteine methyltransferase (EC 2.1.1.63) (6-O-methylguanine-DNA methyltransferase) (MGMT) (O-6-methylguanine-DNA-alkyltransferase); MGMT recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	10G7
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for MGMT recombinant antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human MGMT
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)

Western Blot Positive WB detected in: MCF-7 whole cell lysate, Jurkat whole cell lysate All lanes: MGMT antibody at 1:1500 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 22 kDa Observed band size: 22 kDa

ADDITIONAL INFORMATION

Related Product Information for MGMT recombinant antibody	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	127069
NCBI GeneID	4255
UniProt Accession #	P16455; Q5VY78
Molecular Weight	21,646 Da
NCBI Official Full Name	Methylated-DNA--protein-cysteine methyltransferase
NCBI Official Synonym Full Names	O-6-methylguanine-DNA methyltransferase
NCBI Official Symbol	MGMT
NCBI Protein Information	methylated-DNA--protein-cysteine methyltransferase; methylguanine-DNA methyltransferase; O-6-methylguanine-DNA-alkyltransferase; O6-methylguanine-DNA methyltransferase; 6-O-methylguanine-DNA methyltransferase
UniProt Protein Name	Methylated-DNA--protein-cysteine methyltransferase
UniProt Gene Name	MGMT
UniProt Synonym Gene Names	MGMT
UniProt Entry Name	MGMT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mgmt-recombinant-antibody-clone-10g7-immunohistochemistry-western-blot-elisa/244000>