

Rabbit anti-Human MGMT Polyclonal Antibody | anti-MGMT antibody

MGMT Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29958	Rabbit	Human	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

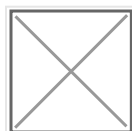
PRODUCT SYNONYMS

MGMT; Polyclonal Antibody; MGMT Antibody; 6 O methylguanine DNA methyltransferase antibody; 6-O-methylguanine-DNA methyltransferase antibody; Agat antibody; AGT antibody; AI267024 antibody; EC 2.1.1.63 antibody; Methylated DNA protein cysteine methyltransferase antibody; Methylated-DNA--protein-cysteine methyltransferase antibody; Methylguanine DNA methyltransferase antibody; MGC107020 antibody; MGMT antibody; MGMT_HUMAN antibody; O 6 methylguanine DNA alkyltransferase antibody; O 6 methylguanine DNA methyltransferase antibody; O-6-methylguanine-DNA methyltransferase antibody; O-6-methylguanine-DNA-alkyltransferase antibody; anti-MGMT antibody

PRODUCT SPECIFICATIONS

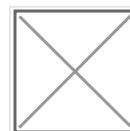
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-MGMT antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:1000 IHC: 1:200 ICC: 1:200 FC:1:100
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



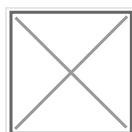
ICC (Immunocytochemistry)

ICC staining MGMT in MCF-7 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



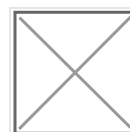
ICC (Immunocytochemistry)

ICC staining MGMT in SK-BR-3 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining MGMT in A172 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using anti-MGMT antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-MGMT antibody. Counter stained with hematoxylin.

**WB (Western Blot)**

Western blot analysis of MGMT on different cell lysates using anti- MGMT antibody at 1/1000 dilution. Positive control: Lane 1: Hela Lane 2: MCF-7 Lane 3: Daudi Lane 4: Raji Lane 5: SK-BR-3 Lane 6: SKOV3 Lane 7: Human liver Lane 8: Human kidney Lane 9: Human thymus Lane 10: Human placenta

ADDITIONAL INFORMATION

Related Product Information for anti-MGMT antibody	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. It is ubiquitously expressed in normal human tissues and is overexpressed in many types of human tumors, but epigenetically silenced in other tumors. MGMT silencing is a marker associated with poor prognosis, but is a good predictive marker for response to alkylating agent chemotherapy.
Product Categories/Family for anti-MGMT antibody	Total protein Ab

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/polyclonal/mgmt-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29958>