

MGMT Antibody

Catalog No: #48576

Package Size: #48576-1 50ul #48576-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

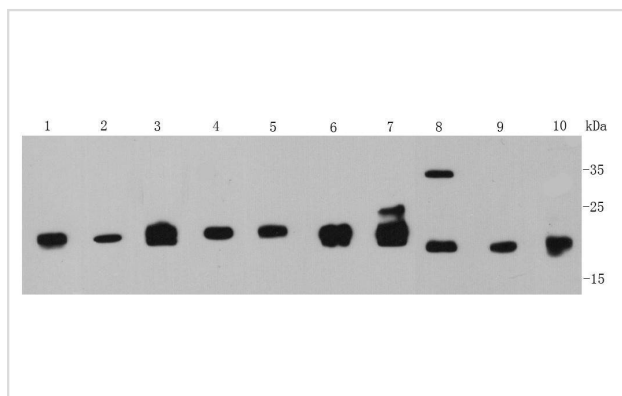
Description

Product Name	MGMT Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu
Immunogen Description	peptide
Other Names	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
Accession No.	Swiss-Prot#:P16455
Uniprot	P16455
GeneID	4255;
Calculated MW	22 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

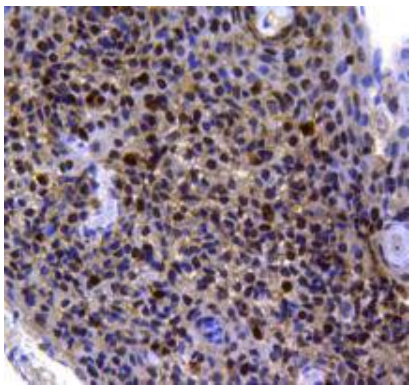
Application Details

WB: 1:500-1:1000 IHC: 1:200 ICC: 1:200 FC:1:100

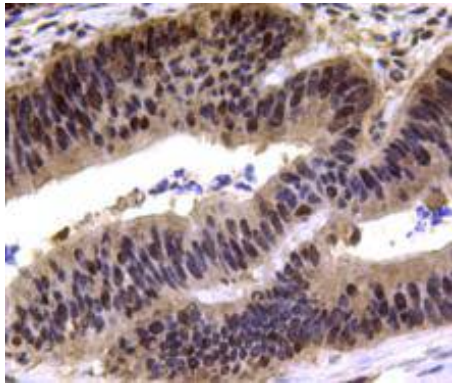
Images



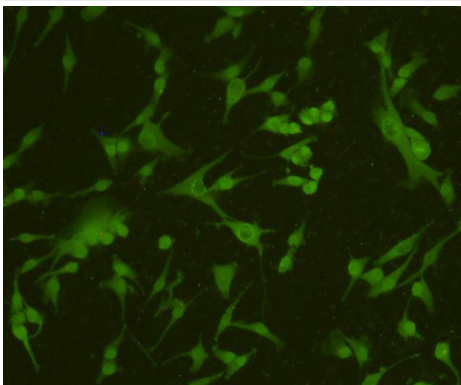
Western blot analysis of MGMT on different cell lysates using anti- MGMT antibody at 1/1000 dilution. Positive control:
 Lane 1: HeLa Lane 2: MCF-7 Lane 3: Daudi Lane 4: Raji
 Lane 5: SK-BR-3 Lane 6: SKOV3 Lane 7: Human liver
 Lane 8: Human kidney Lane 9: Human thymus Lane 10: Human placenta



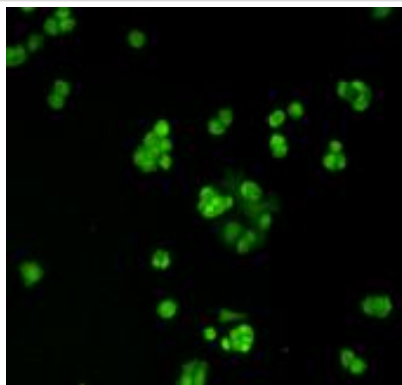
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-MGMT antibody. Counter stained with hematoxylin.



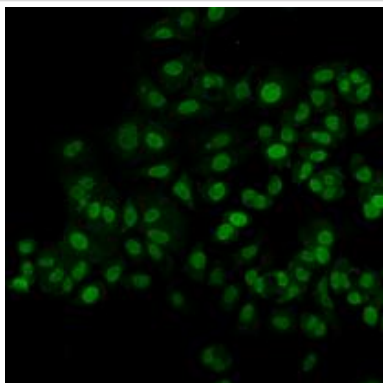
Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using anti-MGMT antibody. Counter stained with hematoxylin.



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



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



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

Background

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.

References

Note: This product is for in vitro research use only