

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

MGMT antibody (pAb)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA59954	Rabbit	Human	Western Blot, Immunoprecipitation

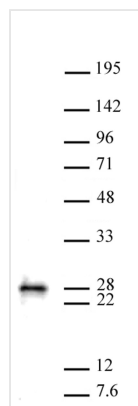
PRODUCT SYNONYMS

MGMT; Polyclonal Antibody; MGMT antibody (pAb); anti-MGMT antibody

PRODUCT SPECIFICATIONS

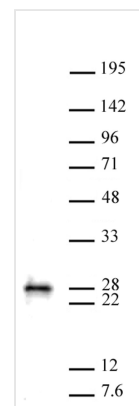
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purified
Form/Format	Purified IgG in 70mM Tris (pH8), 105mM NaCl, 31mM glycine, 0.07mM EDTA, 30% glycerol and 0.035% sodium azide. Sodium azide is highly toxic.
Applicable Applications for anti-MGMT antibody	WB (Western Blot), IP (Immunoprecipitation)
Immunogen	This MGMT antibody was raised against a peptide derived from the C-terminal region of human MGMT.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul

IMAGES



WB (Western Blot)

MGMT antibody (pAb) tested by Western blot. Nuclear extract of MCF-7 cells (20 ug) probed with MGMT antibody (pAb) at a dilution of 1:500.



WB (Western Blot)

MGMT antibody (pAb) tested by Immunoprecipitation. 10 ul of MGMT antibody was used to immunoprecipitate MGMT from 250 ug of MCF-7 nuclear cell extract (lane 2). 10 ul of rabbit IgG was used as a negative control (lane 1). The immunoprecipitated protein was detected by Western blotting using the MGMT antibody at a dilution of 1:500.

ADDITIONAL INFORMATION

Related Product Information for anti-MGMT antibody	Short Description: Our MGMT antibody (pAb) was raised in a Rabbit host. It has been validated for use in Immunoprecipitation and Western blot; it has been shown to react with Human samples. Background: MGMT (O-6 methylguanine DNA methyltransferase) is an enzyme involved in DNA damage repair. MGMT transfers methyl groups from O-6 methylguanine methylated DNA, and other methylated adducts, to a cysteine residue in itself, thus reversing DNA damage caused by alkylation. This is a suicide reaction as the enzyme is irreversibly inactivated. MGMT helps prevent DNA alkylation events from causing mutations. It also contributes to resistance to chemotherapy in cancer patients being treated with alkylating drugs.
Product Categories/Family for anti-MGMT antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	197304670
NCBI GeneID	4255
NCBI Accession #	NP_002403; AB_2793405
NCBI GenBank Nucleotide #	NM_002412.4
Molecular Weight	23.8 kDa (227 aa), confirmed by MALDI-TOF. (Molecular weight on SDS-PAGE will appear higher)
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

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-immunoprecipitation-elisa/59954>