

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

MGMT Antibody (N-term)

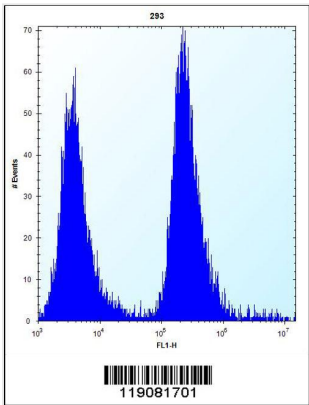
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289631	Rabbit	Human	Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

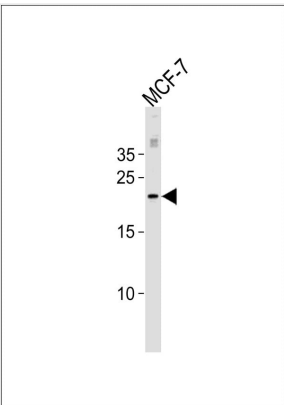
MGMT; Polyclonal Antibody; MGMT Antibody (N-term); Methylated-DNA--protein-cysteine methyltransferase; 6-O-methylguanine-DNA methyltransferase; O-6-methylguanine-DNA-alkyltransferase; anti-MGMT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MGMT antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MGMT.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	207
Applicable Applications for anti-MGMT antibody	WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
MGMT Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
MGMT Antibody (N-term) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the MGMT antibody detected the MGMT protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MGMT antibody	MGMT is 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.
Product Categories/Family for anti-MGMT antibody	Crown Antibodies
References	Svrcek, M., et al. Gut 59(11):1516-1526(2010) Palli, D., et al. Mutagenesis 25(6):569-575(2010) Kim, M., et al. Cancer Sci. 101(11):2436-2442(2010) Mangoni, M., et al. Int. J. Radiat. Oncol. Biol. Phys. (2010) In press : Jacob, R., et al. Anticancer Res. 30(7):2561-2566(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	530394832
NCBI GeneID	4255
NCBI Accession #	XP_005252739.1
NCBI GenBank Nucleotide #	XM_005252682.2
UniProt Accession #	P16455; Q5VY78
Molecular Weight	21646
NCBI Official Full Name	methylated-DNA--protein-cysteine methyltransferase isoform X2
NCBI Official Synonym Full Names	O-6-methylguanine-DNA methyltransferase
NCBI Official Symbol	MGMT
NCBI Protein Information	methylated-DNA--protein-cysteine 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://www.aaabiotech.com/polyclonal/mgmt-antibody-western-blot-flow-cytometry-elisa/289631>