

À des fins de recherche uniquement

Anticorps Monoclonal anti-MGMT

Numéro de catalogue: 67476-1-Ig **2 Publications**



Informations de base

Numéro de catalogue: 67476-1-Ig	Numéro d'acquisition GenBank: BC000824	Méthode de purification: Purification par protéine A
Taille: 150ul , Concentration: 1600 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 4255	CloneNo.: 1H2C9
Hôte: Mouse	Nom complet: O-6-methylguanine-DNA methyltransferase	Dilutions recommandées: WB 1:5000-1:50000 IF 1:50-1:500
Isotype: IgG2a	MW calculé: 22 kDa	
Immunogen Catalog Number: AG29936	MW observés: 22 kDa	

Applications

Applications testées: FC, IF, WB, ELISA	Contrôles positifs:
Demandes citées: IF	WB : cellules U2OS, cellules A549, cellules HeLa, cellules HepG2, cellules Jurkat, cellules LNCaP, cellules MCF-7, cellules MOLT-4, cellules Raji
Spécificité de l'espèce: Humain	IF : cellules HepG2,
Espèces citées: Humain, souris	

Informations générales

MGMT is the primary vehicle for cellular removal of alkyl lesions from the O-6 position of guanine and the O-4 position of thymine. While key to the maintenance of genomic integrity, MGMT also removes damage induced by alkylating chemotherapies, inhibiting the efficacy of cancer treatment [PMID:23065697].MGMT is the primary mechanism for the removal of alkylation damage from the O-6 position of guanine [PMID: 17482892]. The O-6 position of guanine is one of several positions in DNA bases to which alkyl groups are attached in SN1 alkylation reactions, and this repair has been well-characterized in mammalian cells and via MGMT homologs in bacteria and Archaea.[PMID: 10767620]

Publications notables

Autrice	Pubmed ID	Journal	Application
Mingming Yang	35648484	Nucleic Acids Res	IF
Zengpanpan Ye	36649564	Cancer Discov	IF

Stockage

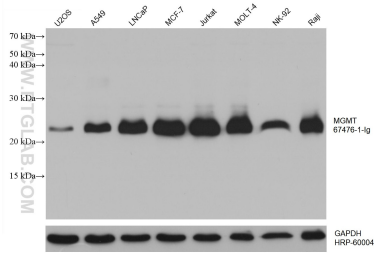
Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

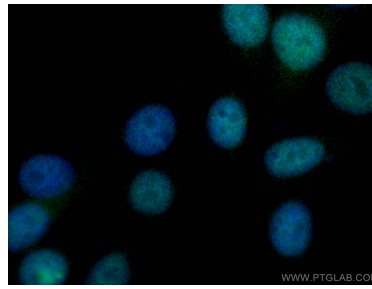
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

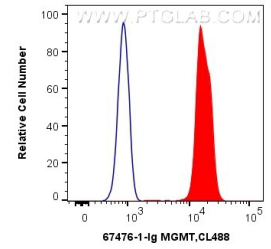
Données de validation sélectionnées



Various lysates were subjected to SDS PAGE followed by western blot with 67476-1-Ig (MGMT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using MGMT antibody (67476-1-Ig, Clone: 1H2C9) at dilution of 1:100 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug Anti-Human MGMT (67476-1-Ig, Clone: 1H2C9) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).