

Nur für Forschungszwecke

MGMT Monoklonaler Antikörper

Katalog-Nr.: 67476-1-Ig **2 Publikationen**



Allgemeine Informationen

Katalog-Nr.: 67476-1-Ig	GenBank-Zugangsnummer: BC000824	Reinigungsmethode: Protein-A-Reinigung
Größe: 150ul, Konzentration: 1600 µg/ml von 4255 Nanodrop und 1000 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): Vollständiger Name: O-6-methylguanine-DNA methyltransferase	CloneNo.: 1H2C9
Wirt: Maus	Berechnete Masse: 22 kDa	Empfohlene Verdünnungen: WB 1:5000-1:50000 IF 1:50-1:500
Isotyp: IgG2a	Beobachtete Masse: 22 kDa	
Immunogen Katalognummer: AG29936		

Anwendungen

Geprüfte Anwendungen: FC, IF, WB, ELISA	Positivkontrollen: WB : U2OS-Zellen, A549-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, LNCaP-Zellen, MCF-7-Zellen, MOLT-4-Zellen, Raji-Zellen
In Publikationen genannte Anwendungen: IF	IF : HepG2-Zellen,
Getestete Reaktivität: Human	
Zitierte Arten: Human, Maus	

Hintergrundinformationen

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]

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Mingming Yang	35648484	Nucleic Acids Res	IF
Zengpanpan Ye	36649564	Cancer Discov	IF

Lagerung

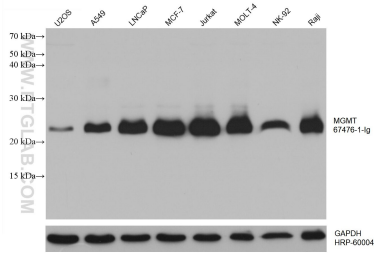
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

***** 20ul-Größen enthalten 0.1% BSA**

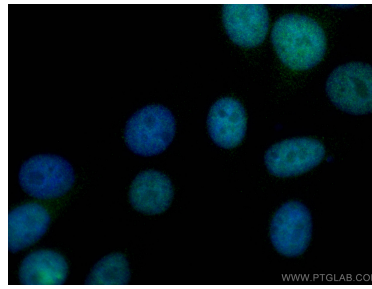
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

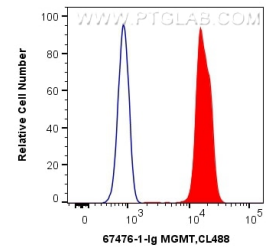
Ausgewählte Validierungsdaten



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).