À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-MGMT

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Numéro de catalogue:17195-1-AP 18 Publications

## Informations de base

Numéro de catalogue:
17195-1-AP

Taille:
150ul , Concentration: 1000 μg/ml by Nanodrop and 340 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG9996

Numéro d'acquisition GenBank:
BC000824

Identification du gène (NCBI):
4255

Nom complet:
O-6-methylguanine-DNA methyltransferase

MW calculé
22 kDa

MW observés:
22 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:6000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500

## Applications

Applications testées:
FC, IHC, IP, WB, ELISA

Demandes citées:
CoIP, IF, IHC, WB

Spécificité de l'espèce:
Humain

Espèces citées:
Humain

***Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9.0; (*) À défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.***

Contrôles positifs:

WB : cellules Jurkat, cellules MCF-7, cellules Raji

IP : cellules Jurkat,

IHC : tissu de cancer du foie humain, tissu placentaire humain, tissu splénique humain, tissu testiculaire humain

## 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 |
|---|---|---|---|
| Wenbing Shangguan | 31680769 | Korean J Physiol Pharmacol | WB |
| Jianlong Li | 27894350 | J Exp Clin Cancer Res | WB |
| Jiawei Luo | 36319884 | Int Ophthalmol | WB,IF |

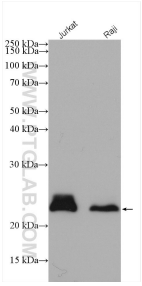
## Stockage

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

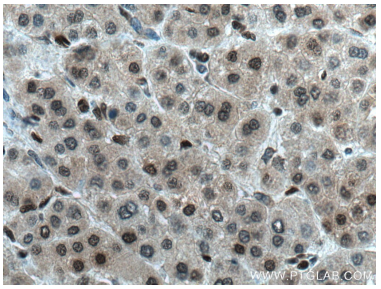
***** Les 20ul contiennent 0,1% de BSA.**

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

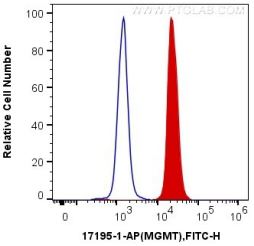
## Données de validation sélectionnées



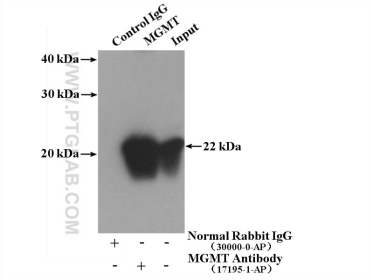

Various lysates were subjected to SDS PAGE followed by western blot with 17195-1-AP (MGMT antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.




Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 17195-1-AP (MGMT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).




1X10^6 Jurkat cells were intracellularly stained with 0.2 ug Anti-Human MGMT (17195-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).




IP Result of anti-MGMT (IP:17195-1-AP, 4ug; Detection:17195-1-AP 1:500) with Jurkat cells lysate 3200ug.