For Research Use Only

MGMT Polyclonal antibody Catalog Number:17195-1-AP Featured Product

21 Publications



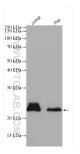
Basic Information	Catalog Number: 17195-1-AP	GenBank Accession Numbe BC000824	r: Purification Method: Antigen affinity purification
	Size:	GenelD (NCBI):	Recommended Dilutions:
	150ul , Concentration: 1000 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;	4255	WB 1:1000-1:6000
		UNIPROT ID: P16455	IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
	Source: Rabbit	Full Name:	IHC 1:50-1:500
	Isotype: IgG Immunogen Catalog Number: AG9996	O-6-methylguanine-DNA methyltransferase	
		Calculated MW:	
		22 kDa	
		Observed MW: 22 kDa	
Applications	Tested Applications:	Positive Controls:	
	Cited Applications:		: Jurkat cells, MCF-7 cells, HeLa cells, Raji cells
	WB, IHC, IF, ColP	IP:	Jurkat cells,
	Species Specificity: human	IHC : human liver cancer tissue, human placenta tissue, human spleen tissue, human testis tissue	
	Cited Species: human, mouse		
	Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ	ely, antigen	
	retrieval may be performed w buffer pH 6.0	ith citrate	
Background Information	buffer pH 6.0 MGMT is the primary vehicle for cellu position of thymine. While key to the alkylating chemotherapies, inhibiting mechanism for the removal of alkyla position of guanine is one of several	lar removal of alkyl lesions maintenance of genomic in g the efficacy of cancer treat tion damage from the O-6 p positions in DNA bases to wl	ment [PMID:23065697].MGMT is the primary osition of guanine [PMID: 17482892]. The O-6 nich alkyl groups are attached in SN1 alkylatio
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in USA), or 1(312) 455-8498 (outside USA)

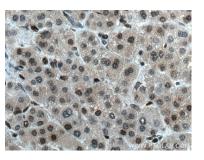
E: proteintech@ptglab.com W: ptglab.com

oup brand and is not available to purchase from any other manufacturer.

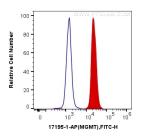
Selected Validation Data



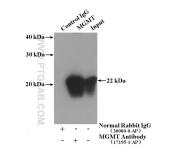
Various lysates were subjected to SDS PAGE followed by western blot with 17195-1-AP (MGMT antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



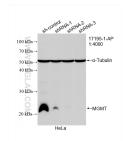
Immunohistochemical analysis of paraffinembedded human liver cancer tissue slide using 17195-1-AP (MGMT antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 Jurkat cells were intracellularly stained with 0.2 ug Anti-Human MGMT (17195-1-AP) and CoraLite®488-Conjugated 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.



WB result of MGMT antibody (17195-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MGMT transfected HeLa cells.