

For Research Use Only

MTAP Polyclonal antibody

Catalog Number: 11475-1-AP

Featured Product

25 Publications



Basic Information

Catalog Number: 11475-1-AP	GenBank Accession Number: BC018625	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 4507	Recommended Dilutions: WB 1:2000-1:12000 IHC 1:20-1:200 IF 1:50-1:500
Source: Rabbit	Full Name: methylthioadenosine phosphorylase	
Isotype: IgG	Calculated MW: 283 aa, 31 kDa	
Immunogen Catalog Number: AG2051	Observed MW: 31 kDa	

Applications

Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
IHC, WB

Species Specificity:
human, rat, mouse

Cited Species:
human, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HEK-293 cells, Raji cells, mouse heart tissue, human heart tissue, NIH/3T3 cells, HeLa cells, HT-29 cells, C6 cells

IHC: human colon cancer tissue,

IF: NIH/3T3 cells,

Background Information

MTAP is a 5-deoxy-5-methylthioadenosine (MTA) phosphorylase, converting MTA to salvageable intermediates including adenine and 5-methylthioribose-1-phosphate. MTAP is abundant in normal cells, but it is frequently found to be deleted in a variety of cancers. Its deficiency is common in cancer cell lines as well as in primary leukemia, lung cancer, melanoma, bladder cancer, gliomas and breast cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Lusia Sepiashvili	25271301	Mol Cell Proteomics	IHC
Chidlow Glyn G	24069379	PLoS One	WB,IHC
Jianying Guo	31477750	Sci Rep	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

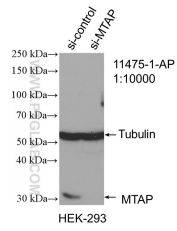
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

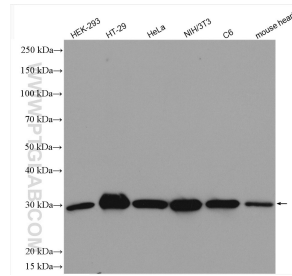
E: proteintech@ptglab.com
W: ptglab.com

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

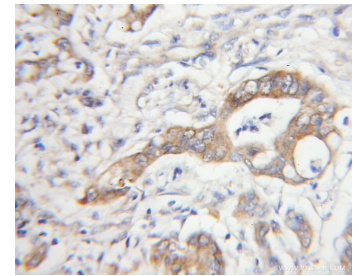
Selected Validation Data



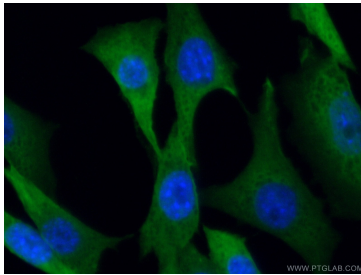
WB result of MTAP antibody (11475-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MTAP transfected HEK-293 cells.



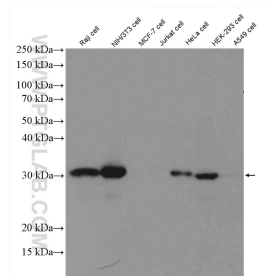
Various lysates were subjected to SDS PAGE followed by western blot with 11475-1-AP (MTAP antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11475-1-AP (MTAP antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed NIH/3T3 cells using 11475-1-AP (MTAP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Various lysates from MTAP-expressing cells (Raji, NIH3T3, HeLa, and HEK293) and MTAP deficient cells (MCF7 and A549) were subjected to SDS PAGE followed by western blot with 11475-1-AP (MTAP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.