

For Research Use Only

# MTAP Monoclonal antibody

Catalog Number: 66706-1-Ig



## Basic Information

Catalog Number: 66706-1-Ig	GenBank Accession Number: BC018625	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 4507	CloneNo.: 2B1G6
Source: Mouse	UNIPROT ID: Q13126	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:50-1:500 IF/ICC 1:400-1:1600
Isotype: IgG1	Full Name: methylthioadenosine phosphorylase	
Immunogen Catalog Number: AG17954	Calculated MW: 283 aa, 31 kDa Observed MW: 31 kDa	

## Applications

Tested Applications:  
WB, IHC, IF/ICC, ELISA

Species Specificity:  
human, mouse, 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 : NIH/3T3 cells, HCT 116 cells, HSC-T6 cells, Raji cells, HT-29 cells

IHC : mouse liver tissue, human kidney tissue, rat liver tissue, mouse kidney tissue, human colon cancer tissue, human liver cancer tissue

IF/ICC : HeLa 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.

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

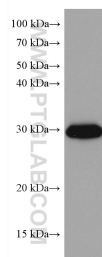
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

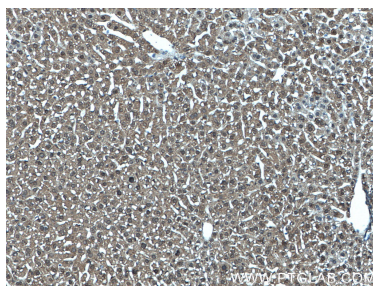
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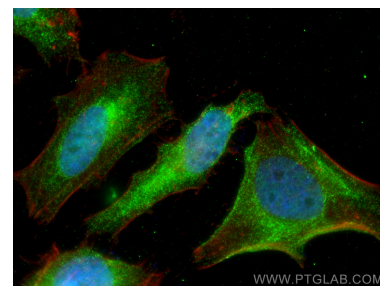
## Selected Validation Data



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 66706-1-Ig (MTAP antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 66706-1-Ig (MTAP antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using MTAP antibody (66706-1-Ig, Clone: 2B1G6 ) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).