

For Research Use Only

# MTAP Polyclonal antibody

Catalog Number: 11475-1-AP

Featured Product

29 Publications



## Basic Information

Catalog Number:

11475-1-AP

Concentration:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2051

GenBank Accession Number:

BC018625

GeneID (NCBI):

4507

UNIPROT ID:

Q13126

Full Name:

methylthioadenosine phosphorylase

Calculated MW:

283 aa, 31 kDa

Observed MW:

31 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:12000

IHC 1:300-1:1200

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

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** : HEK-293 cells, HCT 116 cells, Raji cells, HT-29 cells, HeLa cells, NIH/3T3 cells, C6 cells, mouse heart tissue

**IHC** : 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lusia Sepiashvili	25271301	Mol Cell Proteomics	IHC
Chidlow Glyn G	24069379	PLoS One	WB, IHC
Jianning 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

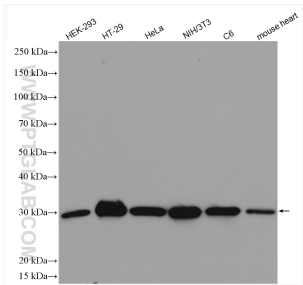
T: 4006900926

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

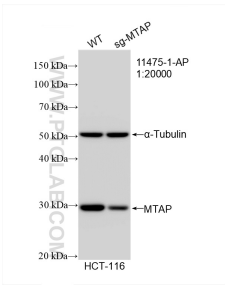
W: [ptgcn.com](http://ptgcn.com)

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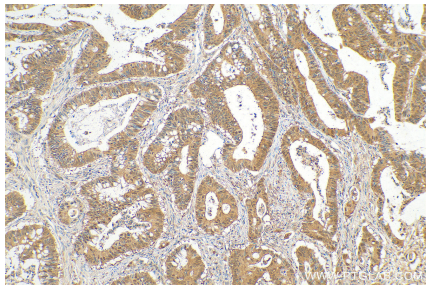
Selected Validation Data



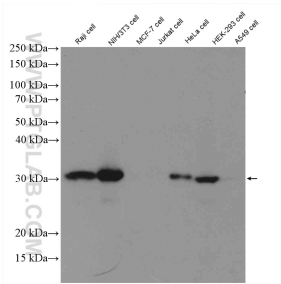
Various lysates were subjected to SDS PAGE followed by western blot with 11475-1-AP (MTAP antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



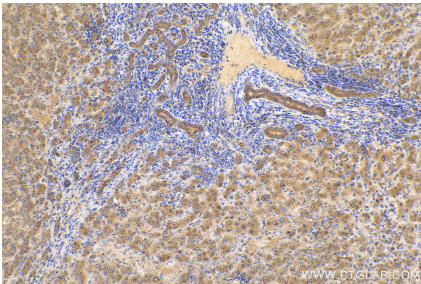
WB result of MELK antibody (11475-1-AP; 1:20000; room temperature for 1.5 hours) with wild-type and sg-MTAP transfected HCT-116 cells.



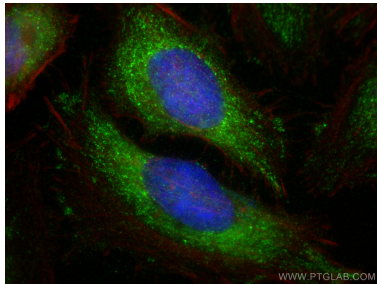
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11475-1-AP (MTAP antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 11475-1-AP (MTAP antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using MTAP antibody (11475-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).