

For Research Use Only

# MTAP Polyclonal antibody

Catalog Number: 11475-1-AP

Featured Product

25 Publications



## Basic Information

**Catalog Number:**

11475-1-AP

**Size:**

450 µg/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 1:20-1:200

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB, IHC

**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

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

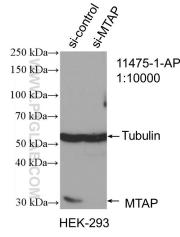
T: 4006900926

E: Proteintech-CN@ptglab.com

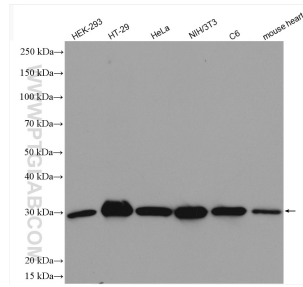
W: ptgcn.com

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

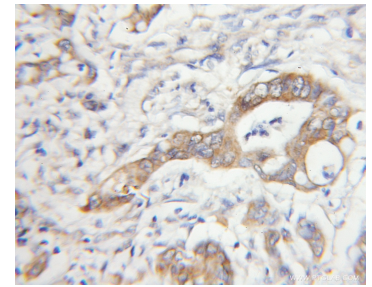
## Selected Validation Data



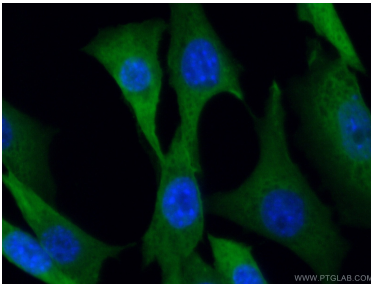
WB result of MTAP antibody (11475-1-AP; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-MTAP transfected HEK-293 cells.



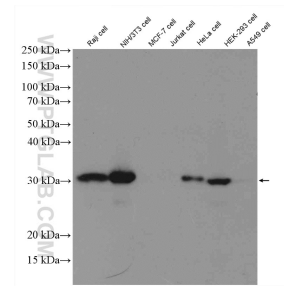
Various lysates were subjected to SDS PAGE followed by western blot with 11475-1-AP (MTAP antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



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.