

For Research Use Only

MTAP Polyclonal antibody

Catalog Number: 11475-1-AP

Featured Product

29 Publications



Basic Information

Catalog Number:

11475-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop;

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

*** 20ul sizes contain 0.1% BSA

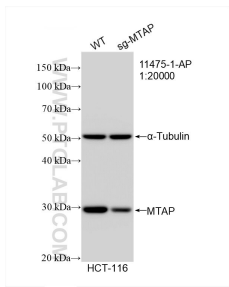
For technical support and original validation data for this product please contact:

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

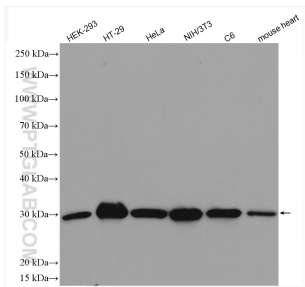
E: proteintech@ptglab.com
W: ptglab.com

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

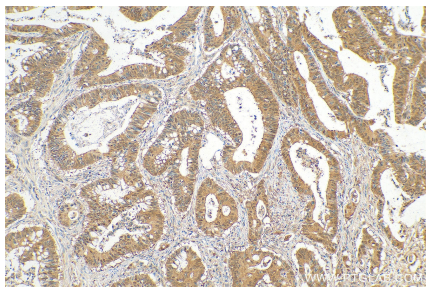
Selected Validation Data



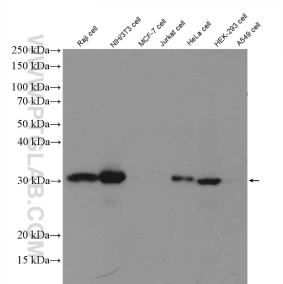
WB result of MELK antibody (11475-1-AP; 1:20000; room temperature for 1.5 hours) with wild-type and sg-MTAP transfected HCT-116 cells.



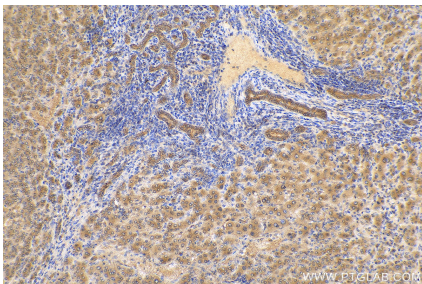
Various lysates were subjected to SDS PAGE followed by western blot with 11475-1-AP (MTAP antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



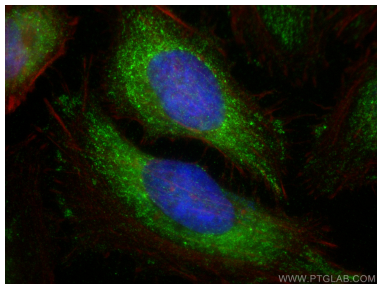
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11475-1-AP (MTAP antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).