

For Research Use Only

TROAP Polyclonal antibody

Catalog Number: 13634-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

13634-1-AP

Size:

150ul , Concentration: 450 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4562

GenBank Accession Number:

BC032583

GeneID (NCBI):

10024

UNIPROT ID:

Q12815

Full Name:

trophinin associated protein (tastin)

Calculated MW:

778 aa, 84 kDa

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:300-1:1200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human

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 : HeLa cells, HCT 116 cells, PC-3 cells, HT-29 cells, Jurkat cells

IHC : human gliomas tissue, mouse testis tissue

Background Information

TROAP, also known as tastin, was first cloned from human epithelial cells in 1995. It as a cytoplasmic protein is composed of 778 amino acid residues and contains potential phosphorylation sites for protein kinases. TROAP highly expresses in bone marrow, testis and thymus, and is involved in centrosome integrity and spindle assembly during mitosis (PMID: 33500384). TROAP has been shown to promote some tumor progressions, such as those of breast and colorectal cancers (PMID: 33692939).

Notable Publications

Author	Pubmed ID	Journal	Application
Jianqing Ye	30431120	Oncol Rep	WB
Zhenfen Li	36419876	Front Oncol	WB,IHC
Xiaoyong Ye	30021381	Biomed Pharmacother	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

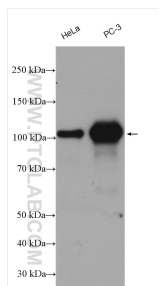
For technical support and original validation data for this product please contact:

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

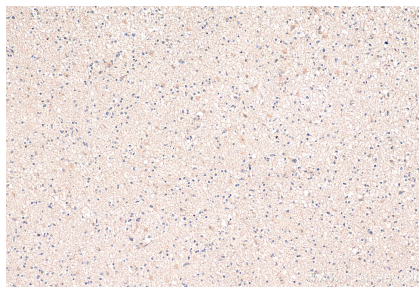
E: proteintech@ptglab.com
W: ptglab.com

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

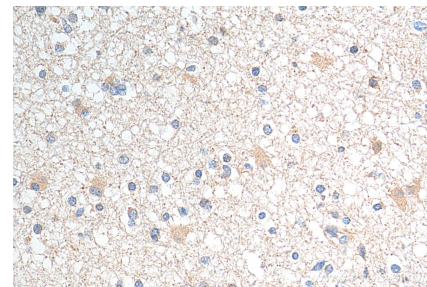
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13634-1-AP (TROAP antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13634-1-AP (TROAP antibody) at dilution of 1:600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 13634-1-AP (TROAP antibody) at dilution of 1:600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).