

For Research Use Only

TROAP Polyclonal antibody

Catalog Number: 13634-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number: 13634-1-AP	GenBank Accession Number: BC032583	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10024	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:300-1:1200
Source: Rabbit	Full Name: trophinin associated protein (tastin)	
Isotype: IgG	Calculated MW: 778 aa, 84 kDa	
Immunogen Catalog Number: AG4562	Observed MW: 110 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : HeLa cells, HCT 116 cells, PC-3 cells, HT-29 cells, Jurkat cells
Species Specificity: human, mouse	IHC : human gliomas tissue, mouse testis tissue
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	

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

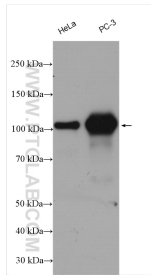
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

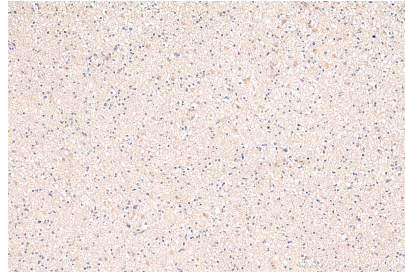
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

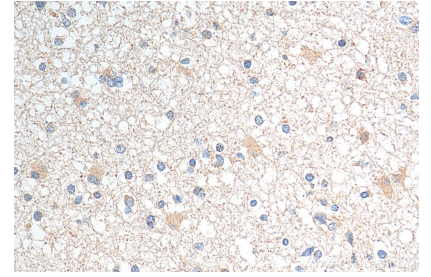
Selected Validation Data



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).