

For Research Use Only

TROAP Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86735-2-PBS



Basic Information

Catalog Number: 86735-2-PBS	GenBank Accession Number: BC032583	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 10024	CloneNo.: 251538B10
Isotype: IgG	UNIPROT ID: Q12815	
Immunogen Catalog Number: AG4562	Full Name: trophinin associated protein (tastin)	
	Calculated MW: 778 aa, 84 kDa	
	Observed MW: 120 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

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).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

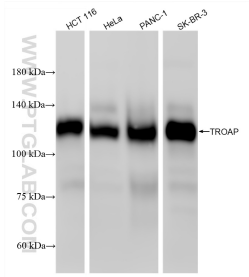
T: 4006900926

E: Proteintech-CN@ptglab.com

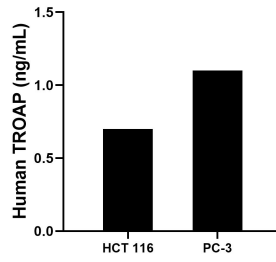
W: ptgcn.com

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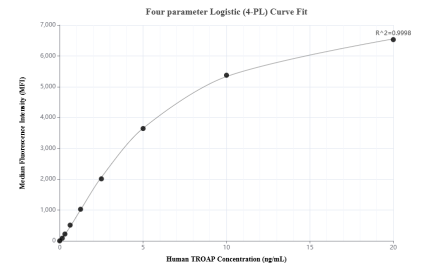
Selected Validation Data



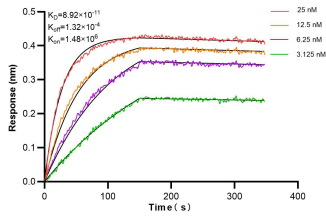
Various lysates were subjected to SDS PAGE followed by western blot with 86735-2-RR (TROAP antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86735-2-PBS in a different storage buffer formulation.



The mean TROAP concentration was determined to be 0.7 ng/mL in HCT 116 cell extract based on a 1.3 mg/mL extract load, 1.1 ng/mL in PC-3 cell extract based on a 1.3 mg/mL extract load.



Cytometric bead array standard curve of MP02627-1, TROAP Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86735-2-PBS. Detection antibody: 86735-1-PBS. Standard: Ag4562. Range: 0.156-20 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 86735-2-RR against Human TROAP were performed. The affinity constant is 89.2 pM.