

For Research Use Only

TBC1D2B Polyclonal antibody

Catalog Number: 24462-1-AP



Basic Information

Catalog Number: 24462-1-AP	GenBank Accession Number: BC152465	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 23102	Recommended Dilutions: WB: 1:500-1:1000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
Source: Rabbit	UNIPROT ID: Q9UPU7	
Isotype: IgG	Full Name: TBC1 domain family, member 2B	
Immunogen Catalog Number: AG19632	Calculated MW: 963 aa, 110 kDa	
	Observed MW: 120-125 kDa	

Applications

Tested Applications: WB, IP, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : BxPC-3 cells, U-251 cells, HL-60 cells, mouse spleen tissue
	IP : BxPC-3 cells,

Background Information

TBC1 domain family member 2B (TBC1D2B) contains a functional canonical LIR motif and acts at an early stage of autophagy by binding to both LC3/GABARAP and ATG12 conjugation complexes (PMID: 38226533). When there is a high protein level of RAB22A on early endosome, TBC1D2B is recruited and acts as a brake to prevent early endosomes from maturing into late endosomes (PMID: 39051763).

Storage

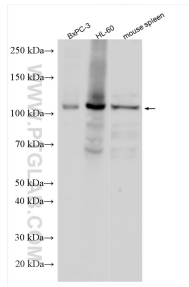
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

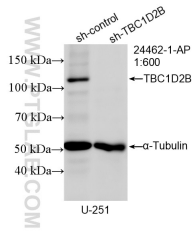
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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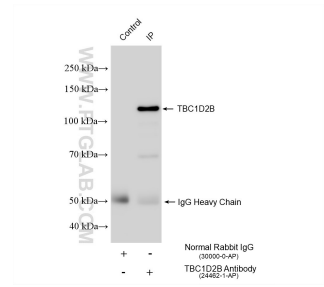
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24462-1-AP (TBC1D2B antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



WB result of TBC1D2B antibody (24462-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-TBC1D2B transfected U-251 cells.



IP result of anti-TBC1D2B (IP:24462-1-AP, 4ug; Detection:24462-1-AP 1:600) with BxPC-3 cells lysate 1200 ug.