

For Research Use Only

TBC1D5 Recombinant antibody, PBS Only

Catalog Number: 84990-4-PBS



Basic Information

Catalog Number: 84990-4-PBS	GenBank Accession Number: BC013145	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 9779	CloneNo.: 24253488
Source: Rabbit	UNIPROT ID: Q92609	
Isotype: IgG	Full Name: TBC1 domain family, member 5	
Immunogen Catalog Number: AG10991	Calculated MW: 795 aa, 89 kDa	
	Observed MW: 89 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

Background Information

TBC1D5, a member of TBC (Tre2/Bub2/Cdc16)1 domain family, is a novel retromer-interacting protein. TBC1D5 is a Rab GTPase-activating proteins (GAPs) proteins that negatively regulates VPS35/29/26 recruitment and causes Rab7 to dissociate from the membrane. TBC1D5 could bridge the endosome and autophagosome via its C-terminal LIR motif, and Rab GAPs are implicated in the reprogramming of the endocytic trafficking events under starvation-induced autophagy. The TBC1D5 protein exists 89 kDa and 91 kDa isoforms.

Storage

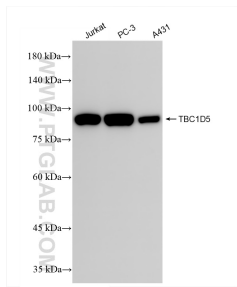
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

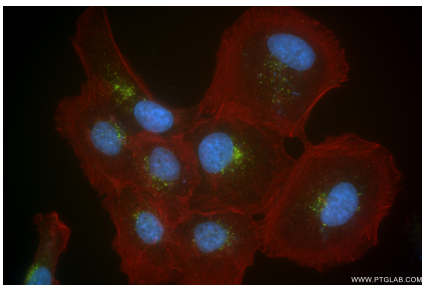
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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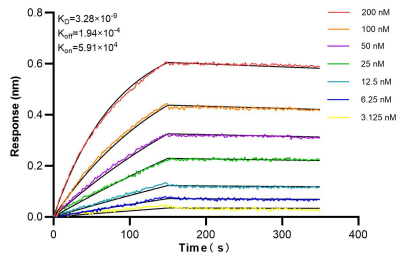
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84990-4-RR (TBC1D5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84990-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using TBC1D5 antibody (84990-4-RR, Clone: 242534B8) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84990-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84990-4-RR against Human TBC1D5 were performed. The affinity constant is 3.28 nM.