

For Research Use Only

TBC1D5 Recombinant antibody

Catalog Number: 84990-4-RR



Basic Information

Catalog Number: 84990-4-RR	GenBank Accession Number: BC013145	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 9779	CloneNo.: 242534B8
Source: Rabbit	UNIPROT ID: Q92609	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
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, ELISA	Positive Controls:
Species Specificity: human	WB : Jurkat cells, PC-3 cells, A431 cells IF/ICC : A431 cells,

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 -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

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

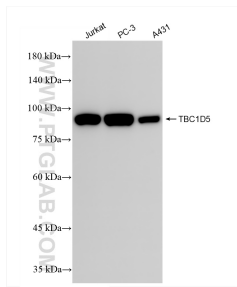
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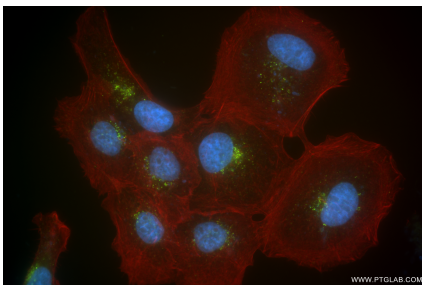
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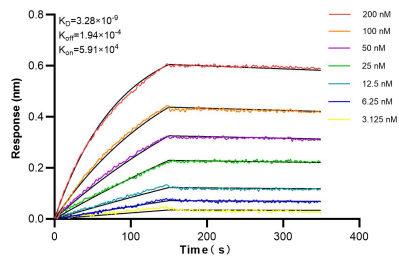
Selected Validation Data



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.



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).



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