

For Research Use Only

TBC1D5 Polyclonal antibody

Catalog Number: 17078-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 17078-1-AP	GenBank Accession Number: BC013145	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 9779	Recommended Dilutions: WB 1:1000-1:6000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: TBC1 domain family, member 5	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 795 aa, 89 kDa	
Immunogen Catalog Number: AG10991	Observed MW: 89 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB: HEK-293T cells, A431 cells, Jurkat cells, PC-3 cells
Cited Applications: IF, WB	IP: A431 cells,
Species Specificity: human, mouse	IHC: mouse testis tissue,
Cited Species: human, mouse	

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

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Ana Jimenez-Orgaz	29158324	EMBO J	WB
Diyuan Zhou	35637944	Int J Biol Sci	WB
Kai-En Chen	34851660	Sci Adv	WB,IF

Storage

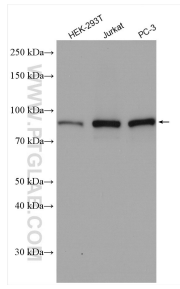
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

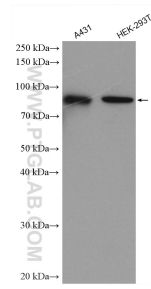
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

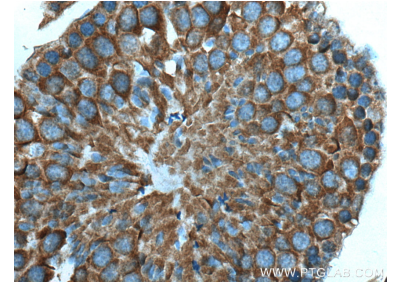
Selected Validation Data



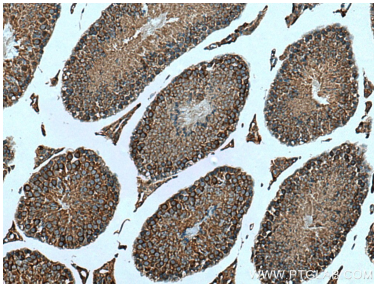
Various lysates were subjected to SDS PAGE followed by western blot with 17078-1-AP (TBC1D5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



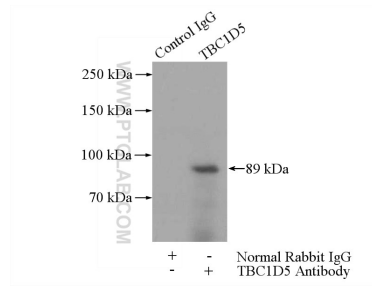
Various lysates were subjected to SDS PAGE followed by western blot with 17078-1-AP (TBC1D5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17078-1-AP (TBC1D5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17078-1-AP (TBC1D5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-TBC1D5 (IP:17078-1-AP, 4ug; Detection:17078-1-AP 1:300) with A431 cells lysate 2400ug.