For Research Use Only

TBC1D5 Polyclonal antibody

Catalog Number:17078-1-AP Featured Product 9 Publications

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Basic Information

Catalog Number:
17078-1-AP

Size:
150ul , Concentration: 600 µg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10991

GenBank Accession Number:
BC013145

GeneID (NCBI):
9779

UNIPROT ID:
Q92609

Full Name:
TBC1 domain family, member 5

Calculated MW:
795 aa, 89 kDa

Observed MW:
89 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:
WB, IP, IHC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse

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

Positive Controls:

WB : HEK-293T cells, A431 cells, Jurkat cells, PC-3 cells

IP : A431 cells,

IHC : mouse testis tissue,

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

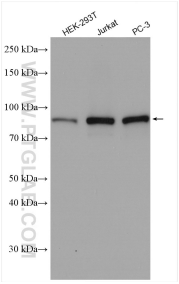
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

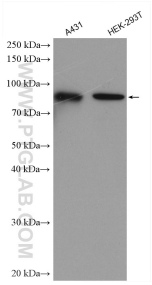
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

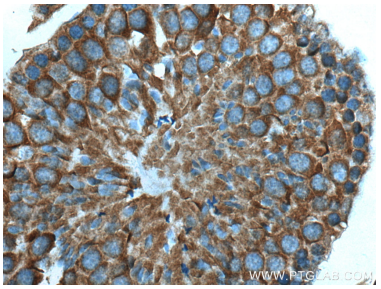
Selected Validation Data



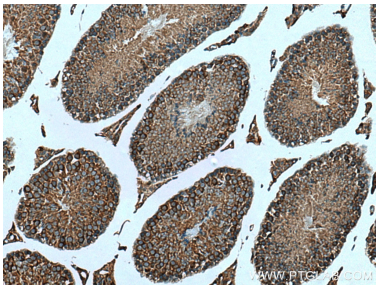
Various lysates were subjected to SDS PAGE followed by western blot with 17078-1-AP (TBC1D5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



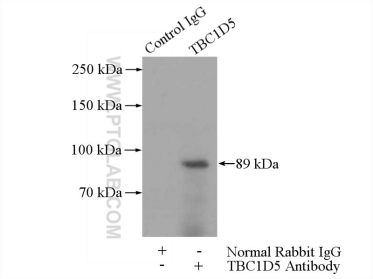
Various lysates were subjected to SDS PAGE followed by western blot with 17078-1-AP (TBC1D5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.