

For Research Use Only

# TBC1D5 Polyclonal antibody

Catalog Number: 17078-1-AP

Featured Product

13 Publications



## Basic Information

### Catalog Number:

17078-1-AP

### Size:

150ul, Concentration: 600 ug/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

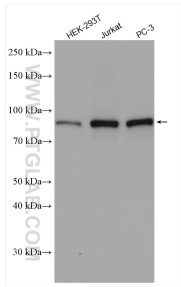
For technical support and original validation data for this product please contact:

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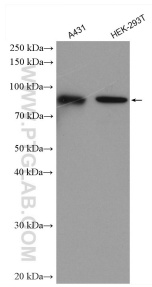
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

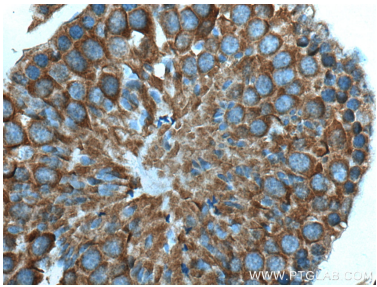
Selected Validation Data



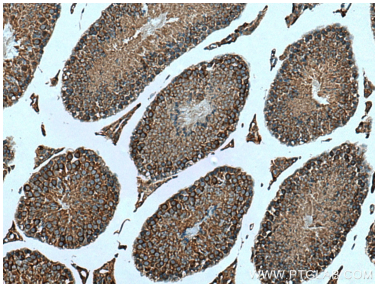
Various lysates were subjected to SDS PAGE followed by western blot with 17078-1-AP (TBC1D5 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



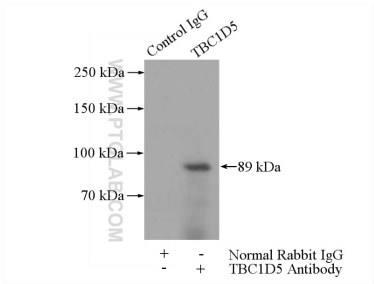
Various lysates were subjected to SDS PAGE followed by western blot with 17078-1-AP (TBC1D5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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.