

For Research Use Only

TBC1D23 Polyclonal antibody

Catalog Number: 17002-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

17002-1-AP

Size:

150ul, Concentration: 450 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10697

GenBank Accession Number:

BC010221

GeneID (NCBI):

55773

UNIPROT ID:

Q9NUY8

Full Name:

TBC1 domain family, member 23

Calculated MW:

699 aa, 78 kDa

Observed MW:

70-78 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : HepG2 cells, HEK-293 cells, HeLa cells

IP : HepG2 cells,

IHC : human liver tissue, human kidney tissue, human ovary tissue, human spleen tissue, human testis tissue

IF/ICC : HeLa cells,

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

TBC1D23, also named as NS4ATP1, is a gene down-regulated by Pneumocystis infection. Pneumocystis pneumonia is a common opportunistic disease in AIDS patients. (PMID: 20377877) Recently it has been found that TBC1D23 gene is the most frequently mutated in MSI-H cell lines and protein expressions of TBC1D23 in tumors with mutation were down regulated. (PMID: 20824714) This antibody is specific to TBC1D23.

Notable Publications

Author	Pubmed ID	Journal	Application
Isaac Marin-Valencia	28823706	Am J Hum Genet	WB, IF
Ekaterina L Ivanova	28823707	Am J Hum Genet	IF
Yao Zhang	34363324	J Cell Mol Med	IHC, 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

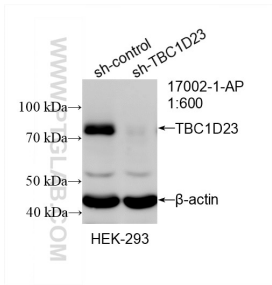
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

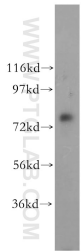
E: proteintech@ptglab.com
W: ptglab.com

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

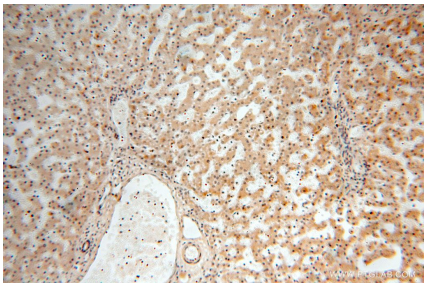
Selected Validation Data



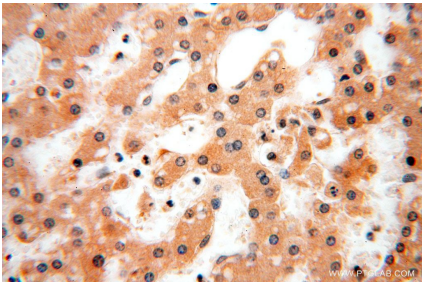
WB result of TBC1D23 antibody (17002-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-TBC1D23 transfected HEK-293 cells.



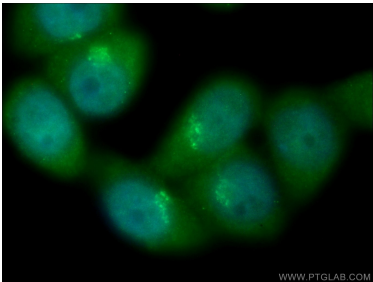
HepG2 cells were subjected to SDS PAGE followed by western blot with 17002-1-AP (TBC1D23 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



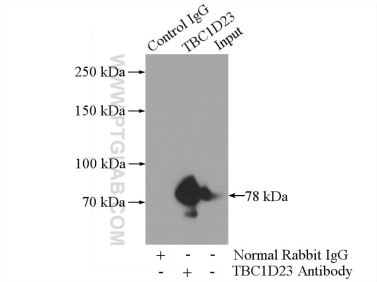
Immunohistochemical analysis of paraffin-embedded human liver using 17002-1-AP (TBC1D23 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 17002-1-AP (TBC1D23 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 17002-1-AP (TBC1D23 antibody) at dilution of 1:50 and Coralite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-TBC1D23 (IP:17002-1-AP, 4ug; Detection:17002-1-AP 1:500) with HepG2 cells lysate 2400ug.