

For Research Use Only

# TBC1D23 Polyclonal antibody

Catalog Number: 17002-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 17002-1-AP	<b>GenBank Accession Number:</b> BC010221	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 55773	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> TBC1 domain family, member 23	<b>IHC 1:20-1:200</b> <b>IF 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 699 aa, 78 kDa	
<b>Immunogen Catalog Number:</b> AG10697	<b>Observed MW:</b> 70-78 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> <b>WB :</b> HepG2 cells, HeLa cells
<b>Cited Applications:</b> IF, IHC, WB	<b>IP :</b> HepG2 cells,
<b>Species Specificity:</b> human	<b>IHC :</b> human liver tissue, human kidney tissue, human ovary tissue, human spleen tissue, human testis tissue
<b>Cited Species:</b> human	<b>IF :</b> 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

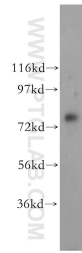
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

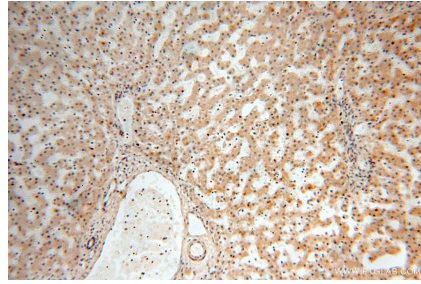
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

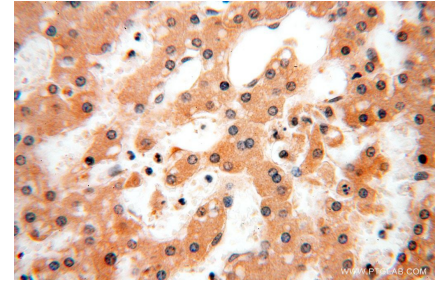
## Selected Validation Data



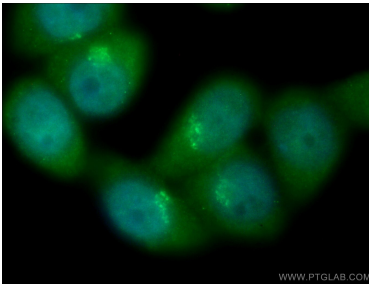
HepG2 cells were subjected to SDS PAGE followed by western blot with 17002-1-AP (TBC1D23 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



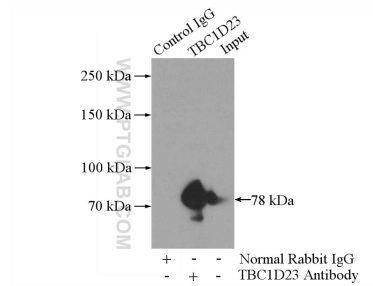
Immunohistochemical analysis of paraffin-embedded human liver using 17002-1-AP (TBC1D23 antibody) at dilution of 1:100 (under 10x lens).



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, 4 $\mu$ g; Detection:17002-1-AP 1:500) with HepG2 cells lysate 2400 $\mu$ g.