

For Research Use Only

# TCOF1 Polyclonal antibody

Catalog Number: 11003-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

11003-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 553 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1447

### GenBank Accession Number:

BC014559

### GeneID (NCBI):

6949

### UNIPROT ID:

Q13428

### Full Name:

Treacher Collins-Franceschetti syndrome 1

### Calculated MW:

97 kDa, 144 kDa, 152 kDa

### Observed MW:

220 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF, IP

### Species Specificity:

human, mouse

### Cited Species:

human

**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 : HeLa cells, Neuro-2a cells, Jurkat cells

IHC : human colon cancer tissue, human lymphoma tissue

IF/ICC : MCF-7 cells,

## Background Information

TCOF1 also known as treacle, is a nucleolar protein with a ULS1 homology domain. TCOF1 is involved in ribosomal DNA gene transcription by interacting with upstream binding factor (UBF). Mutations in TCOF1 have been associated with Treacher Collins syndrome, a disorder which includes abnormal craniofacial development(PMID: 31218872)

## Notable Publications

Author	Pubmed ID	Journal	Application
Achim Werner	26399832	Nature	WB
Achim Werner	29999490	Elife	WB
Ahmed Hassan	33668926	Int J Mol Sci	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

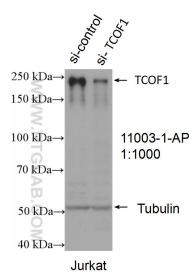
For technical support and original validation data for this product please contact:

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

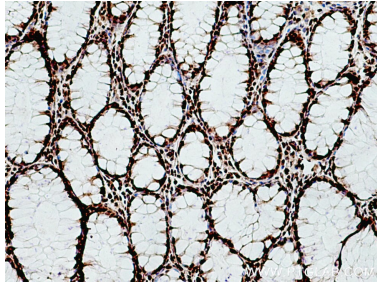
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

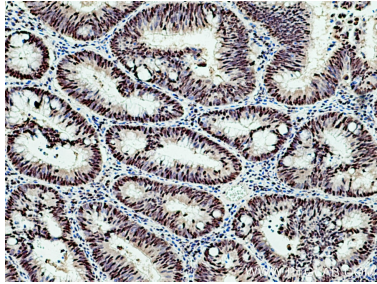
Selected Validation Data



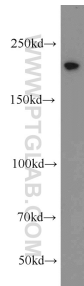
WB result of TCOF1 antibody (11003-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TCOF1 transfected Jurkat cells.



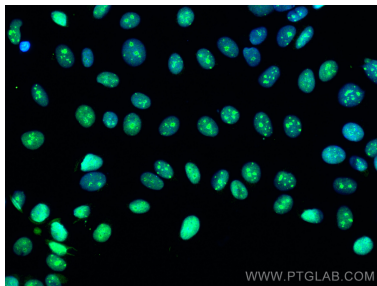
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11003-1-AP (TCOF1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11003-1-AP (TCOF1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HeLa cells were subjected to SDS PAGE followed by western blot with 11003-1-AP (TCOF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using TCOF1 antibody (11003-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).