

For Research Use Only

# TCOF1 Polyclonal antibody

Catalog Number: 11003-1-AP

Featured Product

10 Publications



## Basic Information

<b>Catalog Number:</b> 11003-1-AP	<b>GenBank Accession Number:</b> BC014559	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1000 ug/ml by Nanodrop and 553 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6949	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q13428	
<b>Isotype:</b> IgG	<b>Full Name:</b> Treacher Collins-Franceschetti syndrome 1	
<b>Immunogen Catalog Number:</b> AG1447	<b>Calculated MW:</b> 97 kDa, 144 kDa, 152 kDa	
	<b>Observed MW:</b> 220 kDa	

## 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 LIS1 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

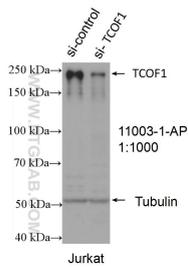
For technical support and original validation data for this product please contact:

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

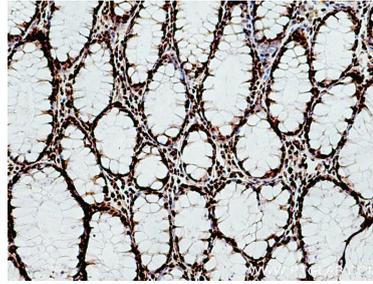
E: proteintech@ptglab.com  
W: ptglab.com

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

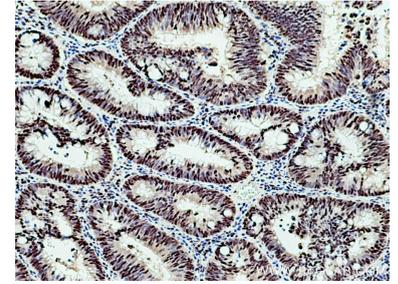
## Selected Validation Data



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



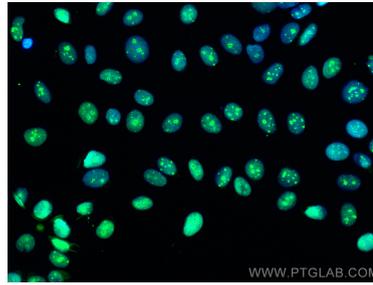
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11003-1-AP (TCOF1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).