

For Research Use Only

# TTC37 Polyclonal antibody

Catalog Number: 24594-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 24594-1-AP	<b>GenBank Accession Number:</b> BC056893	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop and 480 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 9652	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> tetra-tryptophan repeat domain 37	<b>IHC 1:20-1:200</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1564 aa, 175 kDa	
<b>Immunogen Catalog Number:</b> AG18442	<b>Observed MW:</b> 140-150 kDa	

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

WB

### 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-293 cells, MCF-7 cells, HeLa cells, HepG2 cells, mouse testis tissue

**IP :** mouse testis tissue,

**IHC :** human kidney tissue, human tonsillitis tissue

**IF :** HepG2 cells,

## Background Information

TTC37 (tetra-tryptophan repeat protein 37), also named as Thespin, encodes 1,564 amino acid protein that contains twenty tetra-tryptophan (TPR) repeats. TPR repeat-containing motifs are found in a variety of proteins and may mediate protein-protein interactions and chaperone activity. Although not expressed in liver, TTC37 is a widely expressed protein with highest levels of expression in vascular tissues, lymph node, pituitary, lung and intestine. TTC37 is a component of the SKI complex which is thought to be involved in exosome-mediated RNA decay and associates with transcriptionally active genes in a manner dependent on PAF1 complex (PAF1C). Defects in TTC37 are associated with Trico-Hepato-Enteric (THE) syndrome.

## Notable Publications

Author	Pubmed ID	Journal	Application
Kun Yang	35040435	J Clin Invest	WB
Masakazu Kohda	26741492	PLoS Genet	WB

## 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**

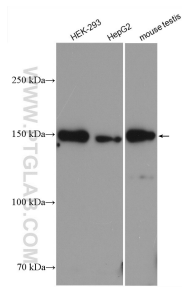
For technical support and original validation data for this product please contact:

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

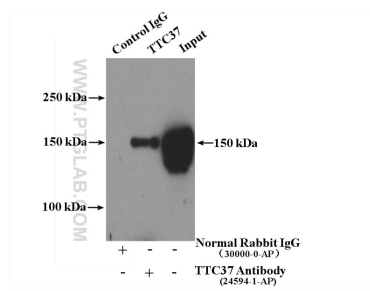
E: proteintech@ptglab.com  
W: ptglab.com

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

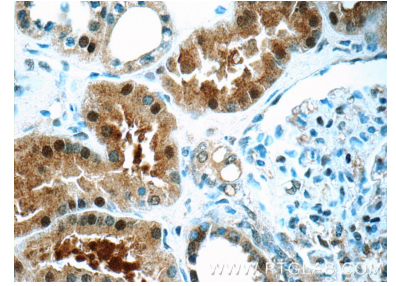
## Selected Validation Data



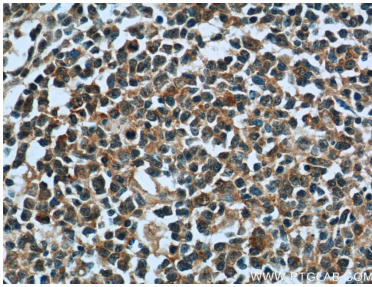
Various lysates were subjected to SDS PAGE followed by western blot with 24594-1-AP (TTC37 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



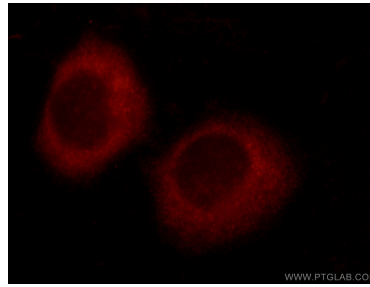
IP Result of anti-TTC37 (IP:24594-1-AP, 4ug; Detection:24594-1-AP 1:300) with mouse testis tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 24594-1-AP (TTC37 Antibody) at dilution of 1:50 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 24594-1-AP (TTC37 Antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 24594-1-AP (TTC37 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.