

For Research Use Only

TTC37 Polyclonal antibody

Catalog Number: 24594-1-AP **4 Publications**



Basic Information

Catalog Number: 24594-1-AP	GenBank Accession Number: BC056893	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1000 ug/ml by Nanodrop and 480 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 9652	Recommended Dilutions: WB 1:500-1:1000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q6PGP7	
Isotype: IgG	Full Name: tetratricopeptide repeat domain 37	
Immunogen Catalog Number: AG18442	Calculated MW: 1564 aa, 175 kDa	
	Observed MW: 140-150 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IP, ELISA	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/ICC : A549 cells,
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

Background Information

TTC37 (tetratricopeptide repeat protein 37), also named as Thespin, encodes 1,564 amino acid protein that contains twenty tetratricopeptide (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
Robinson Triboulet	39235218	Mol Cancer Ther	WB

Storage

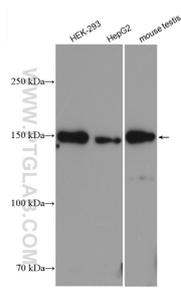
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

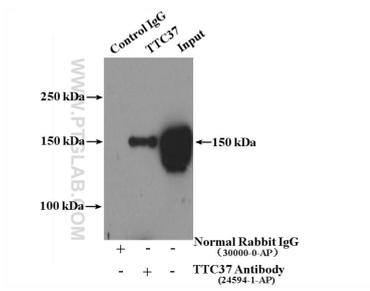
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

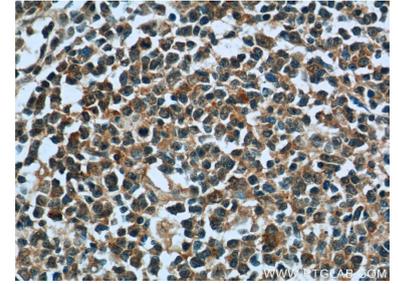
Selected Validation Data



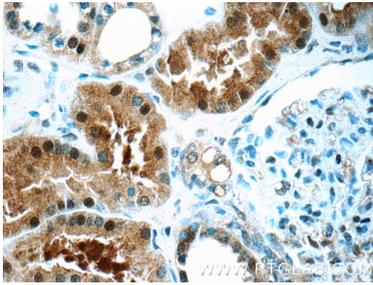
Various lysates were subjected to SDS PAGE followed by western blot with 24594-1-AP (TTC37 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



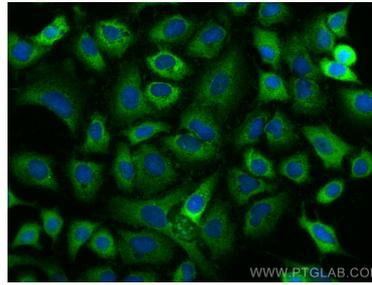
IP result of anti-TTC37 (IP:24594-1-AP, 4ug; Detection:24594-1-AP 1:300) with mouse testis tissue lysate 4000ug.



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



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



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using TTC37 antibody (24594-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).