

For Research Use Only

TTC37 Polyclonal antibody

Catalog Number: 24594-1-AP

4 Publications



Basic Information

Catalog Number:

24594-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop and 480 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18442

GenBank Accession Number:

BC056893

GeneID (NCBI):

9652

UNIPROT ID:

Q6PGP7

Full Name:

tetratricopeptide repeat domain 37

Calculated MW:

1564 aa, 175 kDa

Observed MW:

140-150 kDa

Purification Method:

Antigen affinity purification

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

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human, mouse

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,

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

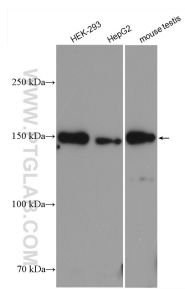
For technical support and original validation data for this product please contact:

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

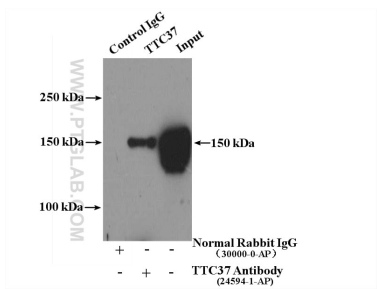
E: proteintech@ptglab.com
W: ptglab.com

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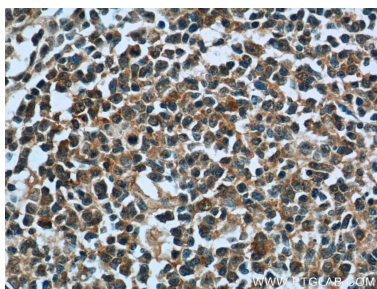
Selected Validation Data



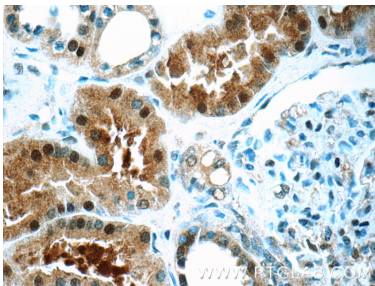
Various lysates were subjected to SDS PAGE followed by western blot with 24594-1-AP (TTC37 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



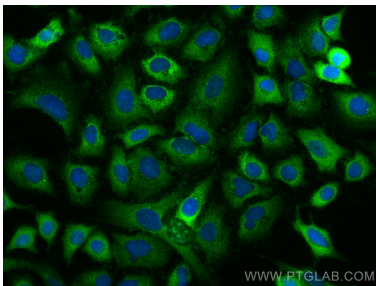
IP result of anti-TTC37 (IP:24594-1-AP, 4ug; Detection:24594-1-AP 1:300) with mouse testis tissue lysate 4000ug.



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).