

For Research Use Only

# TRIM25 Polyclonal antibody

Catalog Number: 12573-1-AP

Featured Product

34 Publications



## Basic Information

### Catalog Number:

12573-1-AP

### Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3241

### GenBank Accession Number:

BC016924

### GeneID (NCBI):

7706

### UNIPROT ID:

Q14258

### Full Name:

tripartite motif-containing 25

### Calculated MW:

630 aa, 71 kDa

### Observed MW:

68-71 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF, IP, ColP

### Species Specificity:

human

### Cited Species:

human, monkey

### Positive Controls:

WB : HEK-293 cells, HeLa cells, K-562 cells, MCF-7 cells, HepG2 cells

IP : K-562 cells,

IHC : human kidney tissue,

IF/ICC : HeLa 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

TRIM25 (tripartite motif-containing 25) is also named as EFP, Z147, ZNF147, RNF147 and belongs to the zinc finger protein family and tripartite motif (TRIM) family. It induces the Lys63-linked ubiquitination of RIG-I, which is crucial for the cytosolic RIG-I signalling pathway to elicit host antiviral innate immunity (PMID:17392790). It is also essential not only for DDX58 ubiquitination but also for DDX58-mediated interferon-production and antiviral activity in response to RNA virus infection (PMID: 17392790). TRIM25 can be detected in both the cytoplasmic and nuclear (PMID: 33966039).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jing-tao Wen	36199797	J Oncol	WB, ColP
Bin Gong	27903487	Ann Vasc Surg	WB
Ting-Ting Liu	36375317	eBioMedicine	WB, ColP

## 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

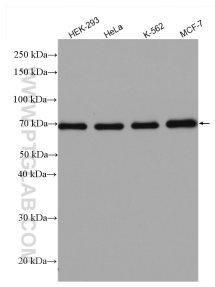
For technical support and original validation data for this product please contact:

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

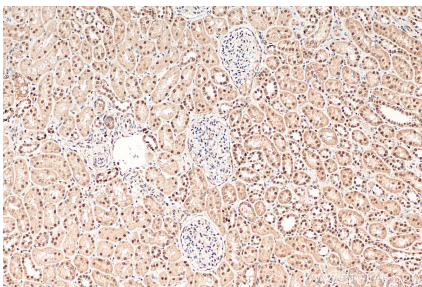
E: proteintech@ptglab.com  
W: ptglab.com

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

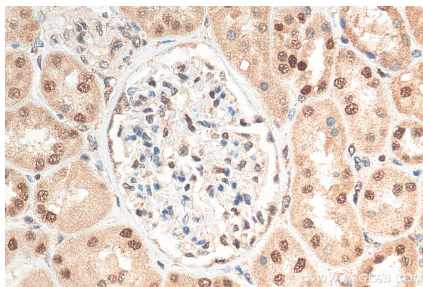
Selected Validation Data



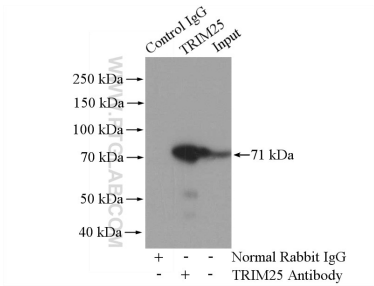
Various lysates were subjected to SDS PAGE followed by western blot with 12573-1-AP (TRIM25 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



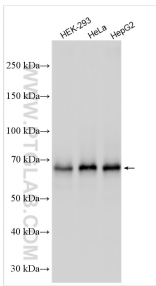
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12573-1-AP (TRIM25 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



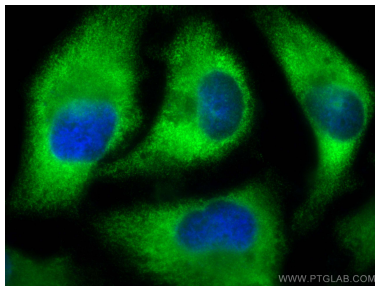
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12573-1-AP (TRIM25 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



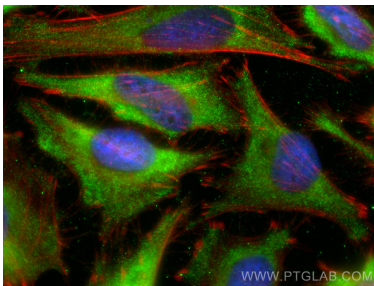
IP result of anti-TRIM25 (IP:12573-1-AP, 4ug; Detection:12573-1-AP 1:600) with K-562 cells lysate 3200ug.



Various lysates were subjected to SDS PAGE followed by western blot with 12573-1-AP (TRIM25 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using TRIM25 antibody (12573-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using TRIM25 antibody (12573-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).