

For Research Use Only

# TRIM25 Polyclonal antibody

Catalog Number: 12573-1-AP

Featured Product

28 Publications



## Basic Information

**Catalog Number:**

12573-1-AP

**Size:**

800 µg/ml

**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 1:500-1:2000

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

IHC 1:250-1:1000

IF 1:50-1:500

## Applications

**Tested Applications:**

WB, IP, IF/ICC, IHC, ELISA

**Cited Applications:**

WB, IP, IF, CoIP

**Species Specificity:**

human, mouse, rat

**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, HeLa cells, HepG2 cells, mouse liver tissue, mouse pancreas tissue

**IP:** K-562 cells,

**IHC:** human kidney tissue,

**IF:** HeLa cells,

## 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, CoIP
Zhan Xie	36280689	Acta Pharmacol Sin	WB
Bin Gong	27903487	Ann Vasc Surg	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

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

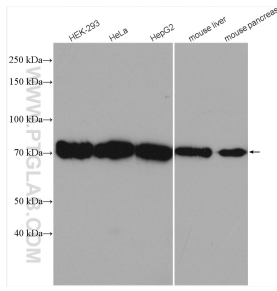
T: 4006900926

E: Proteintech-CN@ptglab.com

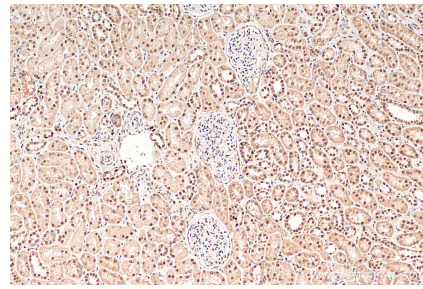
W: ptgcn.com

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

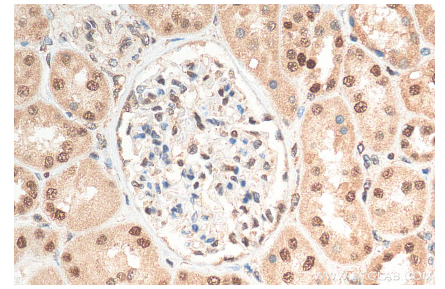
## Selected Validation Data



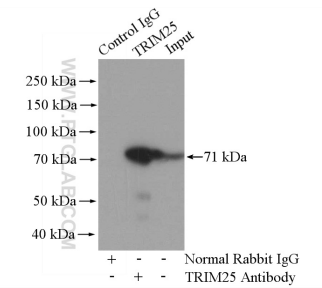
Various lysates were subjected to SDS PAGE followed by western blot with 12573-1-AP (TRIM25 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



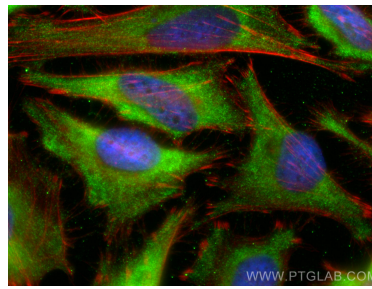
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12573-1-AP (TRIM25 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



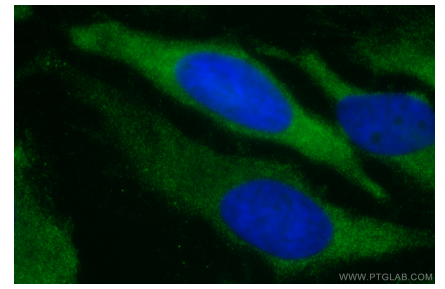
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12573-1-AP (TRIM25 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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



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).



Immunofluorescent analysis of (-20°C Methanol) 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).