

For Research Use Only

# TRIM25 Monoclonal antibody

Catalog Number: 67314-1-Ig

Featured Product

6 Publications



## Basic Information

### Catalog Number:

67314-1-Ig

### GenBank Accession Number:

BC016924

### Purification Method:

Protein A purification

### Size:

150ul, Concentration: 1900 µg/ml by 7706  
Nanodrop and 1000 µg/ml by Bradford  
method using BSA as the standard;

### GeneID (NCBI):

7706

### CloneNo.:

1H6G1

### Source:

Mouse

### UNIPROT ID:

Q14258

### Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF 1:200-1:800

### Isotype:

IgG1

### Full Name:

tripartite motif-containing 25

### Calculated MW:

630 aa, 71 kDa

### Immunogen Catalog Number:

AG29325

### Observed MW:

68-71 kDa

## Applications

### Tested Applications:

WB, IF, IHC, ELISA

### Cited Applications:

WB, IP, IHC, CoIP

### Species Specificity:

Human

### Cited Species:

human

### Positive Controls:

WB : U2OS cells, HeLa cells, LNCaP cells, COLO 320  
cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562  
cells, THP-1 cells

IHC : human breast cancer tissue, human cervical  
cancer tissue

IF : HEK-293T 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Sha Zhou	33966039	Cell Death Dis	IHC
Mao-Xu Ge	35723030	Exp Biol Med (Maywood)	WB
Ziwei Yang	34313226	Elife	WB,CoIP

## 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

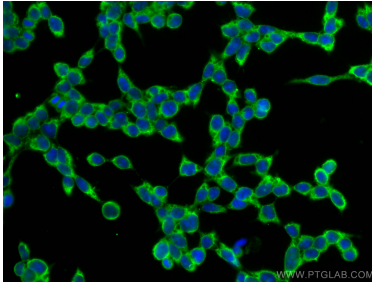
For technical support and original validation data for this product please contact:

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

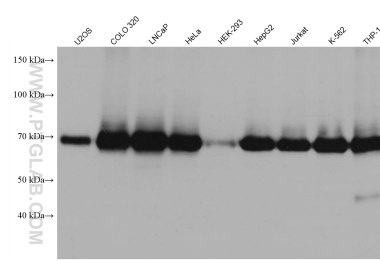
E: proteintech@ptglab.com  
W: ptglab.com

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

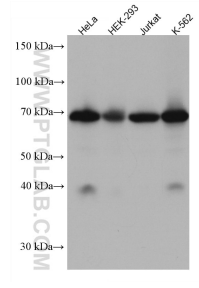
## Selected Validation Data



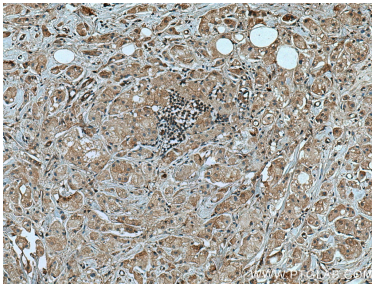
Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293T cells using TRIM25 antibody (67314-1-Ig, Clone: 1H6G1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



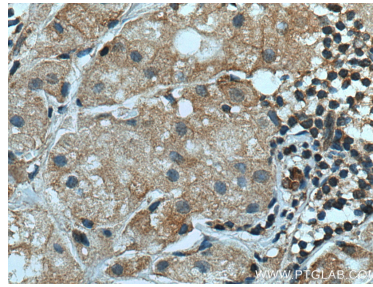
Various lysates were subjected to SDS PAGE followed by western blot with 67314-1-Ig (TRIM25 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 67314-1-Ig (TRIM25 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67314-1-Ig (TRIM25 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67314-1-Ig (TRIM25 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).