

For Research Use Only

# TRIM21 Polyclonal antibody

Catalog Number: 12108-1-AP

Featured Product

55 Publications



## Basic Information

**Catalog Number:**

12108-1-AP

**Size:**

150ul , Concentration: 450 µg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2753

**GenBank Accession Number:**

BC010861

**GeneID (NCBI):**

6737

**UNIPROT ID:**

P19474

**Full Name:**

tripartite motif-containing 21

**Calculated MW:**

475 aa, 54 kDa

**Observed MW:**

42-45 kDa, 49-54 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

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

IHC 1:50-1:500

IF 1:200-1:800

## Applications

**Tested Applications:**

WB, IP, IF, IHC, ELISA

**Cited Applications:**

WB, IP, IF, IHC, colP

**Species Specificity:**

human

**Cited Species:**

human, mouse, hamster, pig

**Positive Controls:**

**WB :** HEK-293 cells, HL-60 cells, A549 cells, HeLa cells, HT-29 cells, HT-1080 cells, MCF-7 cells

**IP :** A549 cells,

**IHC :** human pancreas cancer tissue, human colon cancer tissue

**IF :** HepG2 cells, 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

TRIM21 has multiple N-terminal zinc finger motifs(has E3 ligase activity), a central leucine zipper, and a potential N-glycosylation site. TRIM3 is a E3 ubiquitin-protein ligase. It can form a ubiquitin ligase complex with E2 UBE2D2, which function not only for the ubiquitination of USP4 and IKKB but also for its self-ubiquitination. It has a role in the regulation of the cell cycle progression and could enhance the decapping activity of DCP2. It can exist in all mammalian cells as a ribonucleoprotein particle , which composed of a single polypeptide and 1 of 4 small RNA molecules. TRIM21 exists various isoforms and range molecular weight of isoforms is about 42-45kDa and 49-54 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xin-Feng Liu	33125618	Neurochem Res	WB
Pushuai Wen	36307841	Cell Commun Signal	WB,IHC,IF
Yin Zhao	34689010	Oral Oncol	WB,IF,IP

## 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

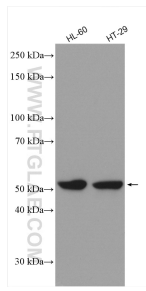
For technical support and original validation data for this product please contact:

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

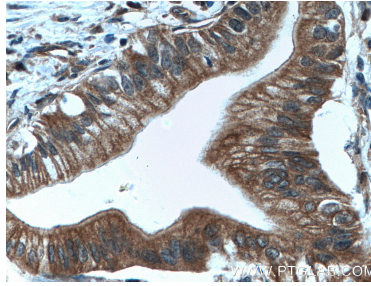
E: proteintech@ptglab.com  
W: ptglab.com

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

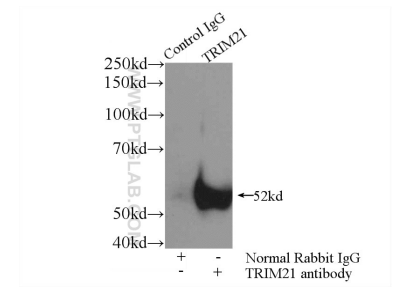
## Selected Validation Data



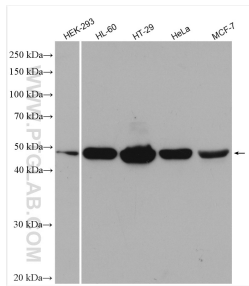
Various lysates were subjected to SDS PAGE followed by western blot with 12108-1-AP (TRIM21 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



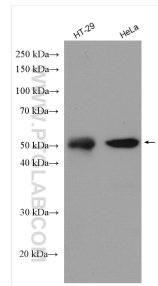
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12108-1-AP (TRIM21 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



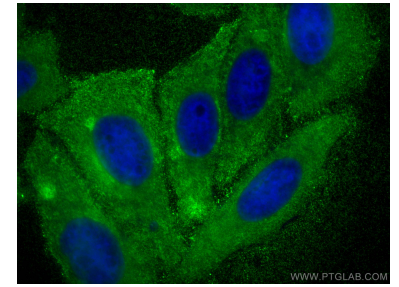
IP result of anti-TRIM21 (IP:12108-1-AP, 4ug; Detection:12108-1-AP 1:500) with A549 cells lysate 920ug.



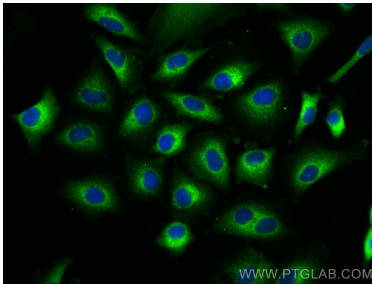
Various lysates were subjected to SDS PAGE followed by western blot with 12108-1-AP (TRIM21 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



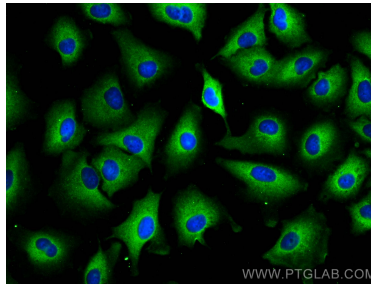
Various lysates were subjected to SDS PAGE followed by western blot with 12108-1-AP (TRIM21 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using TRIM21 antibody (12108-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using TRIM21 antibody (12108-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using TRIM21 antibody (12108-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).