

## TRIM21 Recombinant antibody

Catalog Number: 83530-3-RR

## Basic Information

Catalog Number: 83530-3-RR	GenBank Accession Number: BC010861	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 6737	CloneNo.: 240491B2
Source: Rabbit	UNIPROT ID: P19474	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: tripartite motif-containing 21	
Immunogen Catalog Number: AG28377	Calculated MW: 475 aa, 54 kDa Observed MW: 52 kDa	

## Applications

Tested Applications:  
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:  
human

**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 : HeLa cells, HT-29 cells, HL-60 cells, NCI-H1299

IHC : human colon cancer tissue,

IF/ICC : A549 cells,

## 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 IKBKB 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.

## 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:

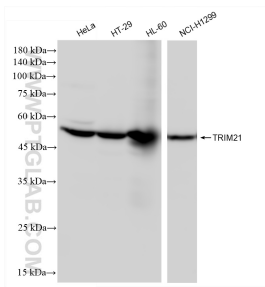
T: 4006900926

E: Proteintech-CN@ptglab.com

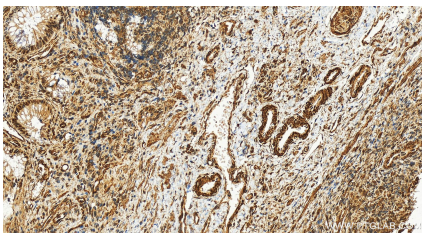
W: ptgcn.com

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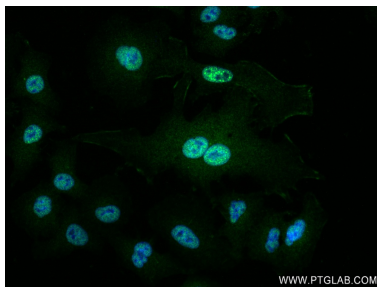
Selected Validation Data



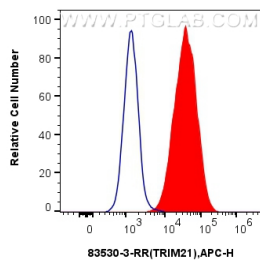
Various lysates were subjected to SDS PAGE followed by western blot with 83530-3-RR (TRIM21 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



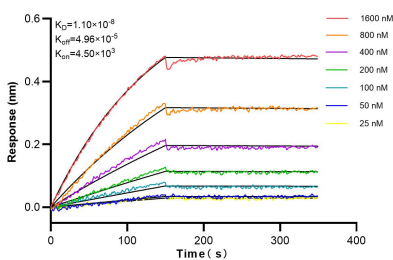
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 83530-3-RR (TRIM21 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using TRIM21 antibody (83530-3-RR, Clone: 240491B2 ) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug TRIM21 Recombinant antibody (83530-3-RR, Clone:240491B2) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).



Biolayer interferometry (BLI) kinetic assays of 83530-3-RR against Human TRIM21 were performed. The affinity constant is 11 nM.