

For Research Use Only

TRIM21 Monoclonal antibody

Catalog Number: 67136-1-Ig

Featured Product

8 Publications



Basic Information

Catalog Number:

67136-1-Ig

Size:

2000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28377

GenBank Accession Number:

BC010861

GeneID (NCBI):

6737

UNIPROT ID:

P19474

Full Name:

tripartite motif-containing 21

Calculated MW:

475 aa, 54 kDa

Observed MW:

42-54 kDa

Purification Method:

Protein A purification

CloneNo.:

1E8B9

Recommended Dilutions:

WB 1:2000-1:10000

IHC 1:250-1:1000

IF 1:400-1:1600

Applications

Tested Applications:

WB, IF/ICC, IHC, ELISA

Cited Applications:

WB, IP, IF, IHC, 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 : HeLa cells, HL-60 cells, HSC-T6 cells, Jurkat cells, NIH/3T3 cells, NCI-H1299 cells, HepG2 cells, PC-12 cells

IHC : human breast cancer tissue, human pancreas cancer tissue

IF : HepG2 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 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
Xiaofan Feng	34921137	Cell Death Dis	IP, WB
Yahong Fu	34929478	Int Immunopharmacol	WB
Eduardo Gomez-Bañuelos	36040804	JCI Insight	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:

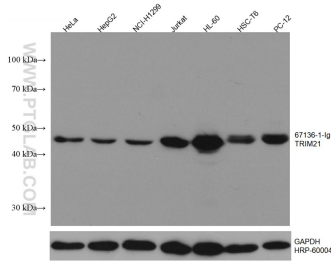
T: 4006900926

E: Proteintech-CN@ptglab.com

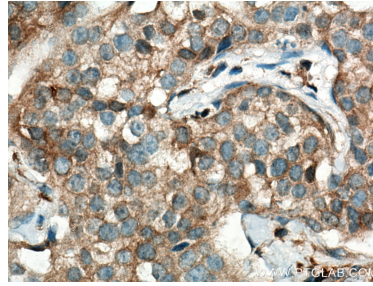
W: ptgcn.com

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

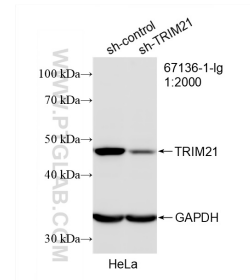
Selected Validation Data



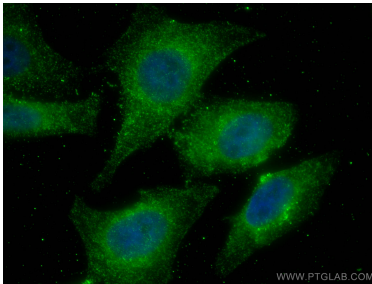
Various lysates were subjected to SDS PAGE followed by western blot with 67136-1-Ig (TRIM21 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 67136-1-Ig (TRIM21 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of TRIM21 antibody (67136-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TRIM21 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using TRIM21 antibody (67136-1-Ig, Clone: 1E8B9) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).