

For Research Use Only

TRIM21 Monoclonal antibody

Catalog Number: 67136-1-Ig

Featured Product

8 Publications



Basic Information

Catalog Number: 67136-1-Ig	GenBank Accession Number: BC010861	Purification Method: Protein A purification
Size: 150ul , Concentration: 2100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6737	CloneNo.: 1E8B9
Source: Mouse	UNIPROT ID: P19474	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000 IF 1:400-1:1600
Isotype: IgG1	Full Name: tripartite motif-containing 21	
Immunogen Catalog Number: AG28377	Calculated MW: 475 aa, 54 kDa	
	Observed MW: 42-54 kDa	

Applications

Tested Applications:

WB, IF, 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

*** 20ul sizes contain 0.1% BSA

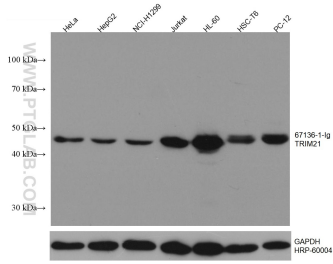
For technical support and original validation data for this product please contact:

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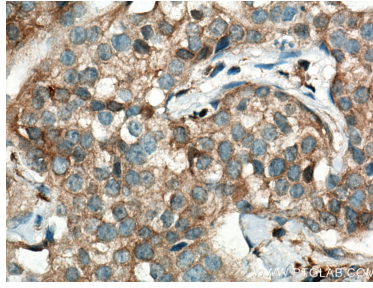
E: proteintech@ptglab.com
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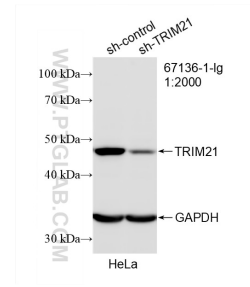
Selected Validation Data



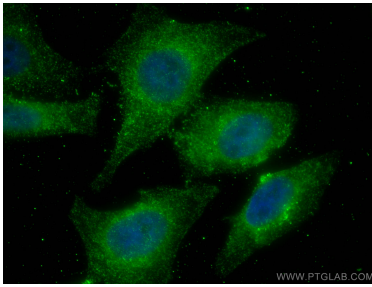
Various lysates were subjected to SDS PAGE followed by western blot with 67136-1-Ig (TRIM21 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



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).