

For Research Use Only

CoraLite® Plus 488-conjugated TRIM21 Recombinant antibody

Catalog Number: CL488-83530-3



Basic Information

Catalog Number:

CL488-83530-3

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

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:

52 kDa

Purification Method:

Protein A purification

CloneNo.:

240491B2

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : A549 cells,

FC (Intra) : 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. TRIM21 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.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

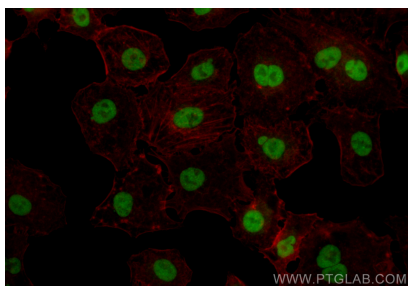
T: 4006900926

E: Proteintech-CN@ptglab.com

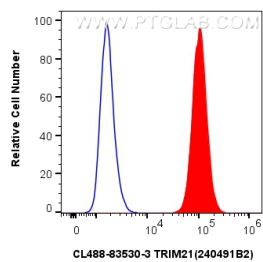
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488 TRIM21 antibody (CL488-83530-3, Clone: 240491B2) at dilution of 1:0.



1x10⁶ A549 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488-conjugated TRIM21 Recombinant antibody (CL488-83530-3, Clone:240491B2)(red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).