

For Research Use Only

CoraLite® Plus 488-conjugated REEP5 Polyclonal antibody



Catalog Number: CL488-14643

Featured Product

Basic Information

Catalog Number:

CL488-14643

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6229

GenBank Accession Number:

BC065926

GeneID (NCBI):

7905

UNIPROT ID:

Q00765

Full Name:

receptor accessory protein 5

Calculated MW:

21 kDa

Observed MW:

18-21 kDa

Purification Method:

Antigen Affinity Purified

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : A549 cells,

Background Information

REEP5 (receptor expression-enhancing protein 5), also named as C5orf18, DP1 or TB2, is a membrane protein belonging to DP1/Yop1p protein family. All REEP proteins contain a conserved TB2/DP1, HVA22 domain which is involved in intracellular trafficking and secretion (PMID: 19123125). REEP5 is expressed in circumvallate papillae and testis, and may have the function to influence functional cell surface expression of taste receptors (PMID: 16720576). REEP5 can interact with atlastins (ATL1 and ATL2) which are involved in modulating the structure of ER network (PMID: 19665976).

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

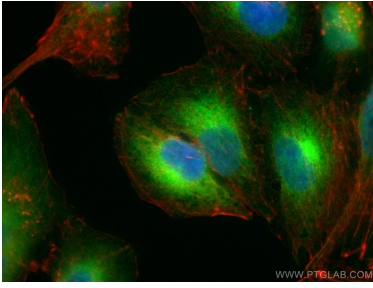
T: 4006900926

E: Proteintech-CN@ptglab.com

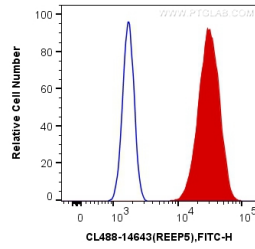
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CoraLite® Plus 488-conjugated REEP5 antibody (CL488-14643) at dilution of 1:100. F-actin is stained using CL555-phalloidin (red) and DNA is stained by DAPI (blue).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human REEP5 (CL488-14643) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).