

For Research Use Only

CoraLite® Plus 488-conjugated NEDD4L Monoclonal antibody

Catalog Number: CL488-67276



Basic Information

Catalog Number:

CL488-67276

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG4565

GenBank Accession Number:

BC032597

GeneID (NCBI):

23327

UNIPROT ID:

Q96PU5

Full Name:

neural precursor cell expressed,
developmentally down-regulated 4-
like

Calculated MW:

854 aa, 96 kDa

Observed MW:

112 kDa, 125 kDa

Purification Method:

Protein G purification

CloneNo.:

2F6H6

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, mouse, rat

Positive Controls:

IF/ICC : Jurkat cells,

FC (Intra) : Jurkat cells,

Background Information

NEDD4L(E3 ubiquitin-protein ligase NEDD4-like) is also named as KIAA0439, NEDL3, Nedd4-2. It accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates and is the principal ubiquitin ligase that selectively targets activated SMAD2 and SMAD3 for destruction (PMID:19917253). Nedd4L binds the PY motif of ENaC COOH terminals and catalyzes ubiquitination of the NH2 terminus of the protein for subsequent degradation (PMID:18268134). It has some isoforms produced by alternative splicing. This antibody may have cross reaction with NEDD4 due to the high homology of the antigen.

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:

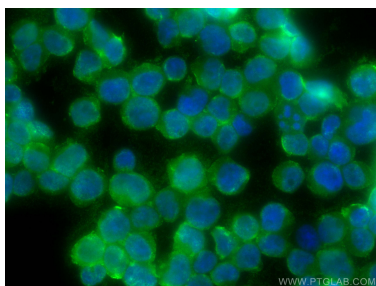
T: 4006900926

E: Proteintech-CN@ptglab.com

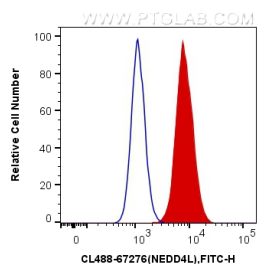
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 NEDD4L antibody (CL488-67276, Clone: 2F6H6) at dilution of 1:200.



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human NEDD4L (CL488-67276, Clone:2F6H6) (red), or 0.4 ug x. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.