

For Research Use Only

# CoraLite® Plus 488-conjugated NEDD4L Monoclonal antibody

Catalog Number: CL488-67276



## Basic Information

<b>Catalog Number:</b> CL488-67276	<b>GenBank Accession Number:</b> BC032597	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 23327	<b>CloneNo.:</b> 2F6H6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q96PU5	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> neural precursor cell expressed, developmentally down-regulated 4-like	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG4565	<b>Calculated MW:</b> 854 aa, 96 kDa	
	<b>Observed MW:</b> 112 kDa, 125 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra)	<b>Positive Controls:</b> IF/ICC : Jurkat cells,
<b>Species Specificity:</b> human, mouse, rat	

## 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.

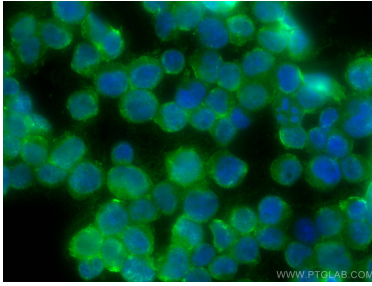
## Storage

**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, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

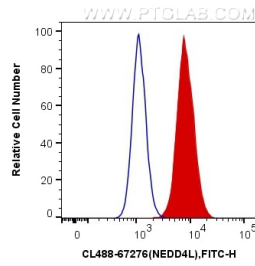
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected 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.



1X10<sup>6</sup> 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 (PF00011-C).