

For Research Use Only

# CoraLite® Plus 488-conjugated NEDD9 Recombinant antibody

Catalog Number: CL488-83362-2



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>CL488-83362-2                        | <b>GenBank Accession Number:</b><br>BC040207   | <b>Purification Method:</b><br>Protein A purification             |
| <b>Size:</b><br>100ul , Concentration: 1000 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>4739  | <b>CloneNo.:</b><br>240310F8                                      |
| <b>Source:</b><br>Rabbit                                       | <b>UNIPROT ID:</b><br>Q14511   | <b>Recommended Dilutions:</b><br>IF/ICC 1:50-1:500                |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>neural precursor cell expressed, developmentally down-regulated 9 | <b>Excitation/Emission maxima wavelengths:</b><br>493 nm / 522 nm |
| <b>Immunogen Catalog Number:</b><br>AG34170                    | <b>Calculated MW:</b><br>834 aa, 93 kDa  |   |
|  | <b>Observed MW:</b><br>105 kDa, 115 kDa  |   |

## Applications

|                                       |   |
|---------------------------------------|---|
| <b>Tested Applications:</b><br>IF/ICC | <b>Positive Controls:</b><br>IF/ICC : A549 cells, |
| <b>Species Specificity:</b><br>human  |   |

## Background Information

NEDD9, also known as CASL, HEF1, contains an N-terminal Src homology (SH) 3 domain and an adjacent domain composed of multiple SH2-binding motifs(PMID: 8668148). Cell cycle-regulated processing produces four isoforms: p115, p105, p65, and p55. Isoform p115 arises from p105 phosphorylation and appears later in the cell cycle. Isoform p55 arises from p105 as a result of cleavage at a caspase cleavage-related site and it appears specifically at mitosis. p105 and p115 are predominantly cytoplasmic and associated with focal adhesions, whereas p55 associates with the mitotic spindle(PMID: 9584194).

## 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:  
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol)  
fixed A549 cells using Coralite® Plus 488 NEDD9  
antibody (CL488-83362-2, Clone: 240310F8 ) at  
dilution of 1:200.