

For Research Use Only

# NEDD9 Recombinant antibody

Catalog Number: 83362-2-RR

Featured Product



## Basic Information

### Catalog Number:

83362-2-RR

### Size:

100ul, Concentration: 800 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG34170

### GenBank Accession Number:

BC040207

### GeneID (NCBI):

4739

### UNIPROT ID:

Q14511

### Full Name:

neural precursor cell expressed, developmentally down-regulated 9

### Calculated MW:

834 aa, 93 kDa

### Observed MW:

105 kDa, 115 kDa

### Purification Method:

Protein A purification

### CloneNo.:

240310F8

### Recommended Dilutions:

WB 1:2000-1:16000

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Species Specificity:

human

### Positive Controls:

WB : A549 cells, HepG2 cells, MCF-7 cells, U-251 cells, Raji cells, Jurkat cells

IF/ICC : MCF-7 cells, A549 cells

## 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. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

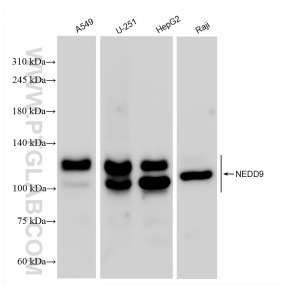
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

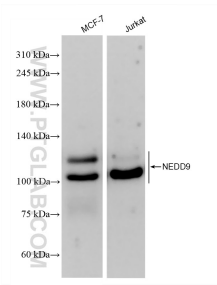
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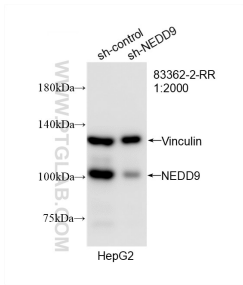
Selected Validation Data



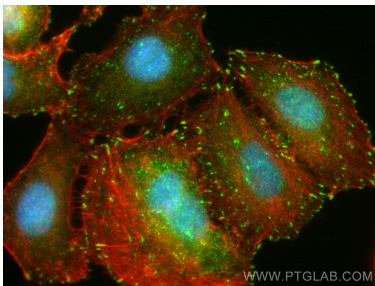
Various lysates were subjected to SDS PAGE followed by western blot with 83362-2-RR (NEDD9 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



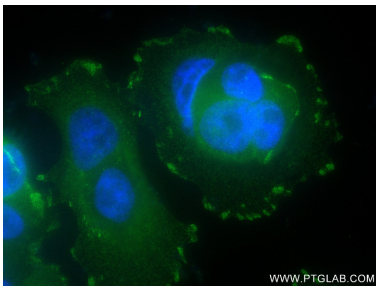
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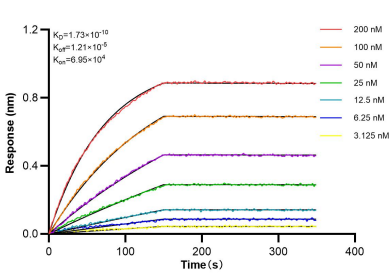
WB result of NEDD9 antibody (83362-2-RR; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NEDD9 transfected HepG2 cells.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using NEDD9 antibody (83362-2-RR, Clone: 240310F8 ) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using NEDD9 antibody (83362-2-RR, Clone: 240310F8 ) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Bilayer interferometry (BLI) kinetic assays of 83362-2 against Human NEDD9 were performed. The affinity constant is 0.173 nM.