

For Research Use Only

# NEDD4L Polyclonal antibody

Catalog Number: 13690-1-AP

Featured Product

19 Publications



## Basic Information

<b>Catalog Number:</b> 13690-1-AP	<b>GenBank Accession Number:</b> BC032597	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23327	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> neural precursor cell expressed, developmentally down-regulated 4-like	<b>IHC 1:50-1:500</b> <b>IF 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 854 aa, 96 kDa	
<b>Immunogen Catalog Number:</b> AG4565	<b>Observed MW:</b> 112 kDa, 125 kDa	

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** C6 cells, HT-1080 cells, PC-3 cells, PC-12 cells

**IP:** C6 cells,

**IHC:** human prostate cancer tissue, human stomach cancer tissue

**IF:** PC-3 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Siyuan Chen	30224386	J Exp Med	WB
Pan Wang	34582065	FASEBJ	WB, IP
Gao Chengcheng C	21909941	Med Oncol	IHC

## 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

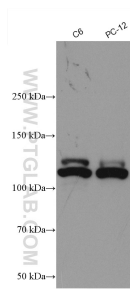
For technical support and original validation data for this product please contact:

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

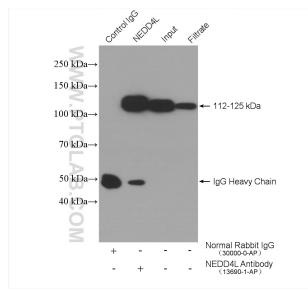
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

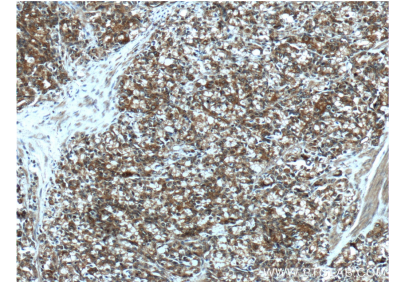
## Selected Validation Data



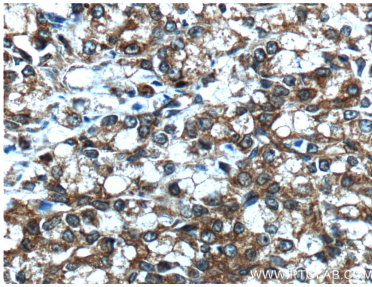
Various lysates were subjected to SDS PAGE followed by western blot with 13690-1-AP (NEDD4L antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



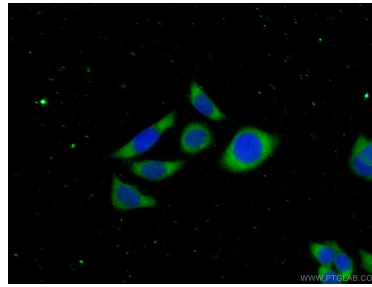
IP result of anti-NEDD4L (IP:13690-1-AP, 4ug; Detection:13690-1-AP 1:300) with C6 cells lysate 1000 ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 13690-1-AP (NEDD4L Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 13690-1-AP (NEDD4L Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 13690-1-AP (NEDD4L antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).