

# NEDD4

## Polyclonal ANTIBODY

Catalog Number: 21698-1-AP

7 Publications

### Basic Information

**Catalog Number:**  
21698-1-AP

**Size:**  
33 µg/150 µl

**Source:**  
Rabbit

**Isotype:**  
IgG

**Purification Method:**  
Antigen affinity purification

**Immunogen Catalog Number:**  
AG16291

**GenBank Accession Number:**  
BC152452

**GeneID (NCBI):**  
4734

**Full Name:**  
neural precursor cell expressed,  
developmentally down-regulated 4

**Calculated MW:**  
1319aa, 149 kDa

**Observed MW:**  
115 kDa

**Recommended Dilutions:**

WB 1:500-1:2400

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

### Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat, monkey

**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; A549 cells, COS-7 cells, HEK-293 cells, HT-1080 cells

IP : C6 cells;

IHC : human liver tissue; human breast cancer tissue, human lung cancer tissue

### Background Information

NEDD4-1 (Neural precursor cell expressed developmentally down-regulated protein 4) is also named as NEDD4 and KIAA0093. It plays an essential role for the activation of the genetic program involved in the terminal maturation stage of invariant natural killer T-cell development (PMD:21949387). And it is differentially expressed in mammary epithelial cells and plays a role in luminal lineage determination (PMD:20351249). NEDD4-1 is a key regulator of FGFR1 endocytosis and signalling during neuronal differentiation and embryonic development (PMD:21765395). This antibody can recognize NEDD4-1 and NEDD4-2.

### Notable Publications

Author	Pubmed ID	Journal	Application
Jianning Xu	31326389	Exp Cell Res	WB
Katrin Juenemann	29362455	Sci Rep	WB
Yanting Zhu	28212825	Life Sci	WB

### 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

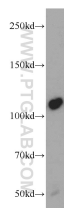
For technical support and original validation data for this product please contact:

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

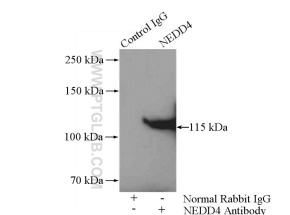
E: proteintech@ptglab.com  
W: ptglab.com

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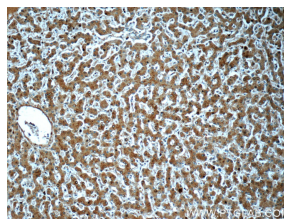
## Selected Validation Data



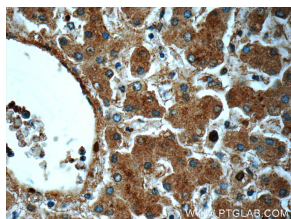
C6 cells were subjected to SDS PAGE followed by western blot with 21698-1-AP(NEDD4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours



IP Result of anti-NEDD4 (IP:21698-1-AP, 4ug; Detection:21698-1-AP 1:500) with C6 cells lysate 1600ug.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 21698-1-AP( NEDD4 Antibody) at dilution of 1:50



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 21698-1-AP( NEDD4 Antibody) at dilution of 1:50