

For Research Use Only

NEDD4 Polyclonal antibody

Catalog Number: 21698-1-AP

Featured Product

24 Publications



Basic Information

Catalog Number: 21698-1-AP	GenBank Accession Number: BC152452	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 µg/ml by Nanodrop and 220 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4734	Recommended Dilutions: WB 1:1000-1:4000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
Source: Rabbit	Full Name: neural precursor cell expressed, developmentally down-regulated 4	IHC 1:50-1:500
Isotype: IgG	Calculated MW: 1319 aa, 149 kDa	
Immunogen Catalog Number: AG16291	Observed MW: 115 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: CoIP, IF, IHC, IP, WB	WB: C6 cells, HEK-293 cells, HT-1080 cells, A549 cells, COS-7 cells, Jurkat cells
Species Specificity: human, mouse, rat, monkey	IP: C6 cells,
Cited Species: chicken, human, mouse, rat	IHC: human breast cancer tissue, human lung cancer tissue, human liver tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

NEDD4 and similar proteins discovered subsequently became a family of HECT ligases, comprising 9 human proteins including NEDD4, NEDD4-2 (NEDD4L), ITCH, SMURF1, SMURF2, WWP1, WWP2, NEDL1 AND NEDL2. NEDD4 is a highly evolutionarily conserved protein from yeast to man, and was initially cloned as a highly expressed gene in the early embryonic brain. NEDD4 is frequently overexpressed in many different types of cancer, and decreased levels of NEDD4 can also be associated with cancer. It can be a potential therapeutic target for the treatment of human cancer. (PMID: 25527121). The human NEDD4 gene is located on chromosome 15q21.3 and comprises 30 exons (HGNC:7727) shown to encode a ~120 kDa protein. Otherwise there is a 75 kDa isoform in addition to full length NEDD4 (PMID: 24907641).

Notable Publications

Author	Pubmed ID	Journal	Application
Haichuan Wang	33232824	Cell Mol Gastroenterol Hepatol	IHC
Yiru Shao	35355403	J Cell Mol Med	WB, IHC
Jincheng Zhang	35271885	Virus Res	WB

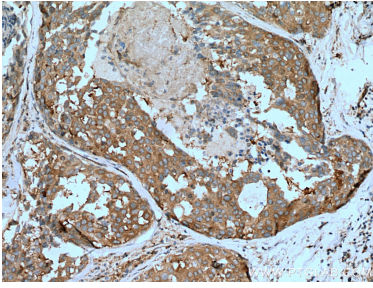
Storage

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

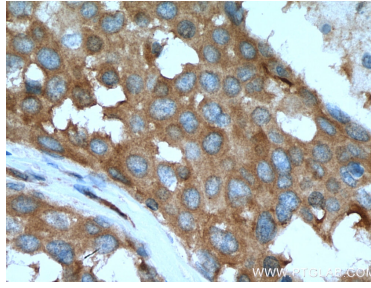
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

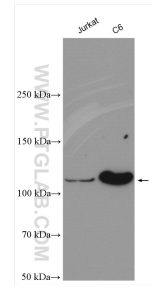
Selected Validation Data



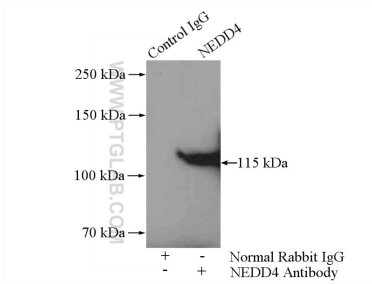
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 21698-1-AP (NEDD4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 21698-1-AP (NEDD4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 21698-1-AP (NEDD4 antibody) at dilution of 1:2000 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.