

Rabbit NEDD8 Polyclonal Antibody | anti-NEDD8 antibody

Anti-NEDD8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46720	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

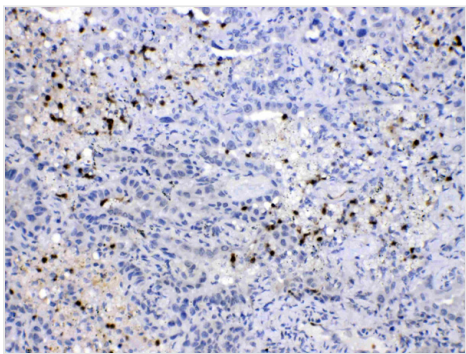
PRODUCT SYNONYMS

NEDD8; Polyclonal Antibody; Anti-NEDD8 Antibody; NED8; NEDD 8; NEDD-8; Nedd8; Neddylin; Rub1; Q15843; neural precursor cell expressed; developmentally down-regulated 8; anti-NEDD8 antibody

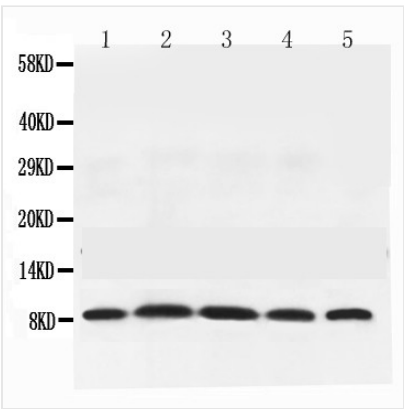
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	81
Applicable Applications for anti-NEDD8 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human NEDD8 (20-60aa TDKVERIKERVEEKEGIPPQQRLIYSGKQMNDEKTAADYK), identical to the related mouse and rat sequences.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
NEDD8 was detected in paraffin-embedded sections of human lung cancer tissues using rabbit anti- NEDD8 Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of NEDD8 expression in rat testis extract (lane 1), mouse thymus extract (lane 2), mouse brain extract (lane 3), HELA whole cell lysates (lane 4) and MCF-7 whole cell lysates (lane 5). NEDD8 at 9KD was detected using rabbit anti- NEDD8 Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-NEDD8 antibody	Rabbit IgG polyclonal antibody for NEDD8(NEDD8) detection. Background: NEDD8 is a protein that in humans is encoded by the NEDD8 gene. Human NEDD8 shares 60% amino acid sequence identity to ubiquitin. The most substrates of NEDD8 modification are the Cullin subunits of Cullin-based E3 ubiquitin ligases, which are active only when neddylated. Their NEDDylation is critical for the recruitment of E2 to the ligase complex, thus facilitating ubiquitin conjugation. NEDD8 modification has therefore been implicated in cell cycle progression and cytoskeletal regulation.
References	1. Bohnsack, R. N., Haas, A. L. Conservation in the mechanism of Nedd8 activation by the human AppBp1-Uba3 heterodimer. J. Biol. Chem. 278: 26823-26830, 2003. 2. Cope, G. A., Suh, G. S. B., Aravind, L., Schwarz, S. E., Zipursky, S. L., Koonin, E. V., Deshaies, R. J. Role of predicted metalloprotease motif of Jab1/Csn5 in cleavage of Nedd8 from Cul1. Science 298: 608-611, 2002. 3. Cui, J., Yao, Q., Li, S., Ding, X., Lu, Q., Mao, H., Liu, L., Zheng, N., Chen, S., Shao, F. Glutamine deamidation and dysfunction of ubiquitin/NEDD8 induced by a bacterial effector family. Science 329: 1215-1218, 2010.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453760
NCBI GeneID	4738
NCBI Accession #	NP_006147.1
NCBI GenBank Nucleotide #	NM_006156.2
UniProt Accession #	Q15843; Q3SXN8; Q6LES6
Molecular Weight	9,072 Da
NCBI Official Full Name	NEDD8
NCBI Official Synonym Full Names	neural precursor cell expressed, developmentally down-regulated 8
NCBI Official Symbol	NEDD8
NCBI Official Synonym Symbols	NEDD-8
NCBI Protein Information	NEDD8
UniProt Protein Name	NEDD8
UniProt Gene Name	NEDD8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nedd8-antibody-immunohistochemistry-western-blot-elisa/46720>