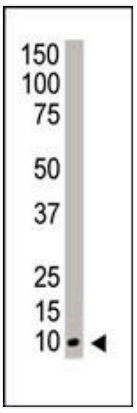
NEDD8 Antibody – Rabbit Polyclonal

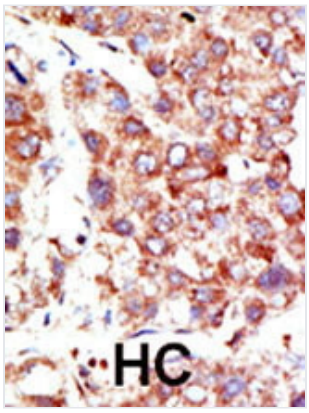
PRODUCT OVERVIEW

Product Name	NEDD8, Polyclonal Antibody
Full Product Name	NEDD8, NT (Ubiquitin-like Protein NEDD8, Neddylin, Neural Precursor Cell Expressed Developmentally Down-regulated Protein 8, NEDD-8) (FITC)
Product Gene Name	anti-NEDD8 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human NEDD8.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	12.8 kDa (113 aa), confirmed by MALDI-TOF.
OMIM	603171
3D Structure	ModBase 3D Structure for Q15843
Immunogen	Synthetic peptide selected from the N-terminal region of human NEDD8 (KLH).
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-NEDD8 antibody	Antibodies; Ubiquitin
Applications Tested/Suitable for anti-NEDD8 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-NEDD8 antibody	IHC: 1:50-1:100 FLISA: 1:1,000 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-NEDD8 antibody	MBS6489553 is an antibody targeting NEDD8. Also known as NEDD8, NT (Ubiquitin-like Protein NEDD8, Neddylin, Neural Precursor Cell Expressed Developmentally Down-regulated Protein 8, NEDD-8) (FITC). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-NEDD8 antibody	1. Wu, K., et al., J. Biol. Chem. 278(31):28882-28891 (2003). 2. Bohnsack, R.N., et al., J. Biol. Chem. 278(29):26823-26830 (2003). 3. Fan, M., et al., Mol. Endocrinol. 17(3):356-365 (2003). 4. Walden, H., et al., Nature 422(6929):330-334 (2003). 5. Liu, J., et al., Mol. Cell 10(6):1511-1518 (2002).

Other Notes	Small volumes of anti-NEDD8 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-NEDD8 antibody
Western blot analysis of NEDD8 polyclonal antibody in HeLa cell lysate. NEDD8 (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



Immunohistochemistry (IHC) of anti-NEDD8 antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEDD8. It may not necessarily be applicable to this product.

NCBI GI #	5453760
NCBI GeneID	4738
NCBI Accession #	NP_006147
UniProt Primary Accession #	Q15843
UniProt Secondary Accession #	Q3SXN8; Q6LES6
UniProt Related Accession #	Q15843
GenBank Nucleotide #	NM_006156.2
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
UniProt Protein Name	NEDD8
UniProt Synonym Protein Names	Neddylin; Neural precursor cell expressed developmentally down-regulated protein 8; NEDD-8; Ubiquitin-like protein Nedd8
Protein Family	NEDD8
UniProt Gene Name	NEDD8
UniProt Synonym Gene Names	NEDD-8
UniProt Entry Name	NEDD8_HUMAN
NCBI Protein Information	NEDD8

UniProt Comments for NEDD8	NEDD8: a member of the ubiquitin family of proteins. Approximately 60% identical to ubiquitin protein. Activated by an E1-like complex, consisting of App-b1 and Uba3 and then linked to the E2-like enzyme, Ubc12. The major target protein modified by nedd8 is cullin-4a. Down-regulated during the development of brain. Protein type: Ubiquitin-like modifier Chromosomal Location of Human Ortholog: 14q12 Cellular Component: cytosol; nucleus Molecular Function: protein binding; ubiquitin protein ligase binding Biological Process: regulation of transcription from RNA polymerase II promoter; ubiquitin-dependent protein catabolic process; anatomical structure morphogenesis; protein localization; protein neddylation; transforming growth factor beta receptor signaling pathway; protein modification process; proteolysis; response to organic cyclic substance
Research Articles on NEDD8	**1.** Furthermore, the authors characterized SENP8/DEN1 as the protease that counteracts Ubc12 auto-neddylation, and observed aberrant neddylation of Ubc12 and other NEDD8 conjugation pathway components in SENP8-deficient cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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