

NEDD8 Antibody (aa10-59)
Rabbit Polyclonal Antibody
Catalog # ALS14631**Specification**

NEDD8 Antibody (aa10-59) - Product Information

Application	WB, IHC
Primary Accession	Q15843
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	9kDa KDa

NEDD8 Antibody (aa10-59) - Additional Information**Gene ID** 4738**Other Names**

NEDD8, Neddylin, Neural precursor cell expressed developmentally down-regulated protein 8, NEDD-8, Ubiquitin-like protein Nedd8, NEDD8

Target/Specificity

NEDD8 Antibody detects endogenous levels of total NEDD8 protein.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

NEDD8 Antibody (aa10-59) is for research use only and not for use in diagnostic or therapeutic procedures.

NEDD8 Antibody (aa10-59) - Protein Information**Name** NEDD8 {ECO:0000303|PubMed:9694792, ECO:0000312|HGNC:HGNC:7732}**Function**

Ubiquitin-like protein which plays an important role in cell cycle control and embryogenesis via its conjugation to a limited number of cellular proteins, such as cullins or p53/TP53 (PubMed:9694792, PubMed:10318914, PubMed:10597293, PubMed:11953428, PubMed:15242646, PubMed:14690597). Attachment of NEDD8 to cullins is critical for the recruitment of E2 to the cullin-RING-based E3 ubiquitin-protein ligase complex, thus facilitating polyubiquitination and proteasomal degradation of cyclins and other regulatory proteins (PubMed:9694792, PubMed:10318914, PubMed:10597293, PubMed:11953428, PubMed:15242646, PubMed:14690597).

<http://www.uniprot.org/citations/10318914> target="_blank">10318914, PubMed:10597293, PubMed:11953428, PubMed:20688984). Attachment of NEDD8 to p53/TP53 inhibits p53/TP53 transcriptional activity (PubMed:15242646). Covalent attachment to its substrates requires prior activation by the E1 complex UBE1C-APPBP1 and linkage to the E2 enzyme UBE2M (PubMed:14690597).

Cellular Location

Nucleus. Note=Mainly nuclear.

Tissue Location

Highly expressed in heart, skeletal muscle, spleen, thymus, prostate, testis, ovary, colon and leukocytes

Volume

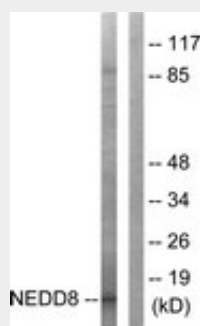
50 µl

NEDD8 Antibody (aa10-59) - Protocols

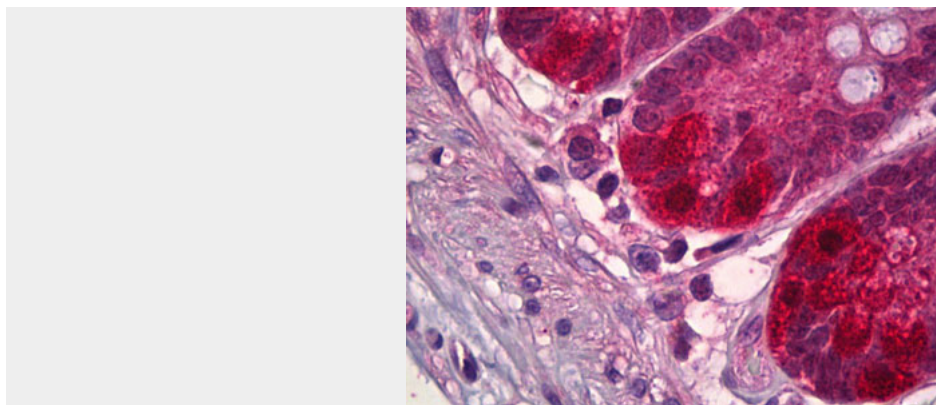
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NEDD8 Antibody (aa10-59) - Images



Western blot of extracts from Jurkat cells, using NEDD8 Antibody.



Anti-NEDD8 antibody IHC of human small intestine.

NEDD8 Antibody (aa10-59) - Background

Ubiquitin-like protein which plays an important role in cell cycle control and embryogenesis. Covalent attachment to its substrates requires prior activation by the E1 complex UBE1C- APPBP1 and linkage to the E2 enzyme UBE2M. Attachment of NEDD8 to cullins activates their associated E3 ubiquitin ligase activity, and thus promotes polyubiquitination and proteasomal degradation of cyclins and other regulatory proteins.

NEDD8 Antibody (aa10-59) - References

- Osaka F.,et al.Genes Dev. 12:2263-2268(1998).
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
Liakopoulos D.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:5510-5515(1999).
Kamitani T.,et al.J. Biol. Chem. 272:28557-28562(1997).
Wada H.,et al.Biochem. Biophys. Res. Commun. 251:688-692(1998).