NEDD8 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	NEDD8, Monoclonal Antibody
Full Product Name	Mouse Monoclonal Antibody to NEDD8
Product Gene Name	anti-NEDD8 antibody
Product Synonym Names	NEDD-8
Clonality	Monoclonal
Isotype	IgG1
Clone Number	5B8C5
Host	Mouse
Molecular Weight	9kDa
OMIM	603171
3D Structure	ModBase 3D Structure for Q15843
Immunogen	Full (1-81)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NEDD8 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FC/FACS)
Application Notes for anti-NEDD8 antibody	Western blot using Recombinant protein Western blot using Cell lysate
Related Product Information for anti-NEDD8 antibody	MBS8527558 is an antibody targeting NEDD8. Also known as Mouse Monoclonal Antibody to NEDD8. Host: Mouse.
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.

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_006147.1
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
NCBI Protein Information	NEDD8
UniProt Comments for NEDD8	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.
Research Articles on NEDD8	**1.** Here we report that high expression of neddylation components, NEDD8 and NAE1, are associated with poor survival of Pancreatic ductal adenocarcinoma patients. Blockage of neddylation by MLN4924 significantly sensitizes pancreatic cancer cells to gemcitabine, reduced clonogenic survival, decreased invasion capacity, increased apoptosis and senescence
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