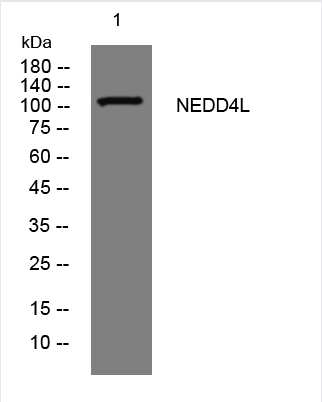
NEDD4L Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NEDD4L, Polyclonal Antibody
Full Product Name	NEDD4L Rabbit Polyclonal Antibody
Product Gene Name	anti-NEDD4L antibody
Product Synonym Gene Name	NEDD4L, KIAA0439, NEDL3
Product Synonym Names	E3 ubiquitin-protein ligase NEDD4-like (EC 6.3.2.-)(NEDD4.2)(Nedd4-2); BH6842; NEDD4L
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.08% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of NEDD4L at Human/Mouse
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	111932 MW
OMIM	AF210730 mRNA
3D Structure	ModBase 3D Structure for Q96PU5
Immunogen	Synthesized peptide derived from human NEDD4L
Modification	Unmodified/Total
Applications Tested/Suitable for anti-NEDD4L antibody	Western Blot (WB)
Application Notes for anti-NEDD4L antibody	WB: 1:500-2000
Related Product Information for anti-NEDD4L antibody	This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein mediates the ubiquitination of multiple target substrates and plays a critical role in epithelial sodium transport by regulating the cell surface expression of the epithelial sodium channel, ENaC. Single nucleotide polymorphisms in this gene may be associated with essential hypertension. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]
Other Notes	Small volumes of anti-NEDD4L 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.
Searchable Terms for NEDD4L purchase	MBS9515694 is an antibody targeting NEDD4L. Also known as NEDD4L Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-NEDD4L antibody
Western blot analysis of lysates from MCF-7 cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NEDD4L. It may not necessarily be applicable to this product.

NCBI GI #	222352183
NCBI GeneID	23327
NCBI Accession #	NP_001138436.1
UniProt Primary Accession #	Q96PU5
UniProt Secondary Accession #	O43165; Q3LSM7; Q7Z5F1; Q7Z5F2; Q7Z5N3; Q8N5A7; Q8WUU9; Q9BW58; Q9H2W4; Q9NT88
UniProt Related Accession #	Q96PU5
GenBank Nucleotide #	NM_001144964.1
NCBI Official Full Name	E3 ubiquitin-protein ligase NEDD4-like isoform 2
NCBI Official Synonym Full Names	neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase
NCBI Official Symbol	NEDD4L
NCBI Official Synonym Symbols	RSP5; PVNH7; NEDD4-2; NEDD4.2; hNEDD4-2
UniProt Protein Name	E3 ubiquitin-protein ligase NEDD4-like
UniProt Synonym Protein Names	HECT-type E3 ubiquitin transferase NED4L; NEDD4.2; Nedd4-2
Protein Family	E3 ubiquitin-protein ligase
UniProt Gene Name	NEDD4L
UniProt Synonym Gene Names	KIAA0439; NEDL3
NCBI Protein Information	E3 ubiquitin-protein ligase NEDD4-like
UniProt Comments for NEDD4L	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Inhibits TGF-beta signaling by triggering SMAD2 and TGFBR1 ubiquitination and proteasome-dependent degradation. Promotes ubiquitination and internalization of various plasma membrane channels such as ENaC, Nav1.2, Nav1.3, Nav1.5, Nav1.7, Nav1.8, Kv1.3, KCNH2, EAAT1 or CLC5 (PubMed:26363003). Promotes ubiquitination and degradation of SGK1 and TNK2. Ubiquitinates BRAT1 and this ubiquitination is enhanced in the presence of NDFIP1 (PubMed:25631046). Plays a role in dendrite formation by melanocytes (PubMed:23999003). Involved in the regulation of TOR signaling (PubMed:27694961).
Research Articles on NEDD4L	**1.** Collectively, Nedd4L plays a tumor suppressive role in HCC, possibly through triggering MAPK/ERK-mediated apoptosis, and Nedd4L downregulation may be a potential prognostic biomarker as well as a therapeutic target for HCC.

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