

Rabbit anti-Human, Mouse NEDD4-2 Polyclonal Antibody | anti-NEDD4-2 antibody

NEDD4-2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327302	Rabbit	Human, Mouse	ELISA, Western Blot

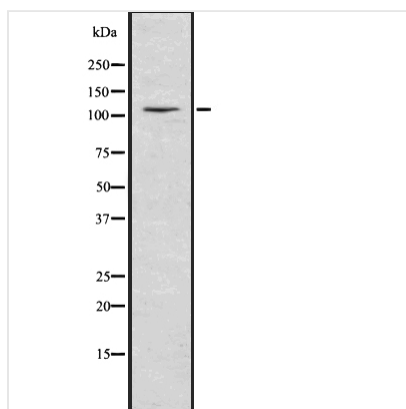
PRODUCT SYNONYMS

NEDD4-2; Polyclonal Antibody; NEDD4-2 Antibody; E3 ubiquitin protein ligase NEDD4 like protein; E3 ubiquitin-protein ligase NEDD4-like; KIAA0439; NED4L_HUMAN; NEDD4 2; NEDD4 2c; Nedd4-2; NEDD4-2a; NEDD4.2; NEDD4b; NEDD4L; NEDD4La; NEDD4Lb; NEDD4Lc; NEDD4Ld; NEDD4Le; NEDD4Lf; NEDD4Lg; NEDD4Lh; NEDL3; Neural precursor cell expressed developmentally down regulated 4 like E3 ubiquitin protein ligase; Neural precursor cell expressed; developmentally down regulated 4 like; RSP5; Ubiquitin protein ligase Rsp5; anti-NEDD4-2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NEDD4-2 antibody detects endogenous levels of total NEDD4-2
Purity/Purification	Peptide affinity purification
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	854
Applicable Applications for anti-NEDD4-2 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human NEDD4-2, corresponding to a region within the internal amino acids.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of NEDD4-2 using K562 whole lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-NEDD4-2 antibody	Function: 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, SCN2A/Nav1.2, SCN3A/Nav1.3, SCN5A/Nav1.5, SCN9A/Nav1.7, SCN10A/Nav1.8, KCNA3/Kv1.3, KCNH2, EAAT1, KCNQ2/Kv7.2, KCNQ3/Kv7.3 or CLC5 (PubMed:26363003, PubMed:27445338). 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). Ubiquitinates and regulates protein levels of NTRK1 once this one is activated by NGF (PubMed:27445338). Subunit Structure: Interacts with UBE2E3 (By similarity). Interacts with NDFIP1 and NDFIP2; this interaction activates the E3 ubiquitin-protein ligase (PubMed:26363003, PubMed:11748237). Interacts via its WW domains with SCNN1A, SCNN1B, SCNN1G, SCN1A, SCN2A, SCN3A, SCN5A, SCN8A, SCN9A, SCN10A and CLCN5 (PubMed:11696533, PubMed:14556380, PubMed:15217910, PubMed:15489223, PubMed:15548568). Interacts with SMAD2, SMAD3, SMAD6 and SMAD7 (PubMed:15496141). The phosphorylated form interacts with 14-3-3 proteins (PubMed:15677482). Interacts with TNK2 (PubMed:19144635, PubMed:20086093). Interacts with WNK1 (PubMed:20525693). Interacts with SGK1 (PubMed:11696533, PubMed:20730100). Interacts (via C2 domain) with NPC2 (PubMed:19664597). Interacts with ARRD4 (PubMed:23236378). Interacts with KCNQ1; promotes internalization of KCNQ1 (PubMed:22024150). Interacts (via domains WW1, 3 and 4) with USP36; the interaction inhibits ubiquitination of, at least, NTRK1, KCNQ2 and KCNQ3 by NEDD4L (PubMed:27445338). Post-translational Modifications: Phosphorylated by SGK1 or PKA; which impairs interaction with SCNN. Interaction with YWHAH inhibits dephosphorylation. Auto-ubiquitinated (PubMed:19343052). Deubiquitinated by USP36, no effect on NEDD4L protein levels. Both proteins interact and regulate each other's ubiquitination levels (PubMed:27445338).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222352183
NCBI GeneID	23327
NCBI Accession #	NP_001138436.1
NCBI GenBank Nucleotide #	NM_001144964.1
UniProt Accession #	Q96PU5; O43165; Q3LSM7; Q7Z5F1; Q7Z5F2; Q7Z5N3; Q8N5A7; Q8WUU9; Q9BW58; Q9H2W4; Q9NT88
Molecular Weight	Observed: 112 kDa Predicted: 112 kDa
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
NCBI Protein Information	E3 ubiquitin-protein ligase NEDD4-like
UniProt Protein Name	E3 ubiquitin-protein ligase NEDD4-like
UniProt Gene Name	NEDD4L
UniProt Synonym Gene Names	KIAA0439; NEDL3

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.