



Rabbit Anti-Phospho-NEDD4-2 (Ser342) antibody

SL3299R

Product Name:	Phospho-NEDD4-2 (Ser342)
Chinese Name:	磷酸化Ubiquitin连接酶NEDD4-2抗体
Alias:	NEDD4-2 (Phospho-Ser342); NEDD4-2 (Phospho S342); E3 ubiquitin protein ligase NEDD4 like protein; E3 ubiquitin-protein ligase NEDD4-like; E3 ubiquitin-protein ligase NEDD4-like protein; 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	112kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human NEDD4L around the phosphorylation site of Ser342:SC(p-S)VT
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>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]</p> <p>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, Nav1.2, Nav1.3, Nav1.5, Nav1.7, Nav1.8, Kv1.3, EAAT1 or CLC5. Promotes ubiquitination and degradation of SGK1 and TNK2.</p> <p>Subunit: Interacts with UBE2E3 (By similarity). Interacts with NDFIP1 and NDFIP2 (By similarity); this interaction activates the E3 ubiquitin-protein ligase. Interacts via its WW domains with SCNN1A, SCNN1B, SCNN1G, SCN1A, SCN2A, SCN3A, SCN5A, SCN8A, SCN9A, SCN10A and CLCN5. Interacts with SMAD2, SMAD3, SMAD6 and SMAD7. The phosphorylated form interacts with 14-3-3 proteins. Interacts with Epstein-Barr virus LMP2A. Interacts with TNK2. Interacts with WNK1. Interacts with SGK1. Interacts (via C2 domain) with NPC2.</p> <p>Subcellular Location: Cytoplasm. Note=May be recruited to exosomes by NDFIP1.</p> <p>Tissue Specificity: Ubiquitously expressed, with highest levels in prostate, pancreas and kidney.</p> <p>Post-translational modifications: Phosphorylated by SGK1 or PKA; which impairs interaction with SCNN. Interaction with YWHAH inhibits dephosphorylation. Auto-ubiquitinated.</p> <p>Similarity: Contains 1 C2 domain. Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 4 WW domains.</p>

SWISS:
Q96PU5

Gene ID:
23327

Database links:

[Entrez Gene: 23327](#)Human

[Entrez Gene: 83814](#)Mouse

[Entrez Gene: 291553](#)Rat

[Entrez Gene: 399396](#)Xenopus laevis

[Omin: 606384](#)Human

[SwissProt: Q96PU5](#)Human

[SwissProt: Q8CFI0](#)Mouse

[Unigene: 185677](#)Human

[Unigene: 98668](#)Mouse

[Unigene: 72824](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.