

NEDD4L (Phospho Ser448) rabbit pAb

Catalog No :	YP1417
Reactivity :	Human;Rat;Mouse;
Applications :	WB
Target :	NEDD4L
Fields :	>>Ubiquitin mediated proteolysis;>>Endocytosis;>>Tight junction;>>Aldosterone-regulated sodium reabsorption
Gene Name :	NEDD4L KIAA0439 NEDL3
Protein Name :	NEDD4L (Ser448)
Human Gene Id :	23327
Human Swiss Prot No :	Q96PU5
Mouse Swiss Prot No :	Q8CFI0
Immunogen :	Synthesized phosho peptide around human NEDD4L (Ser448)
Specificity :	This antibody detects endogenous levels of Human NEDD4L (phospho-Ser448)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000
Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15 °C to -25 °C/1 year(Do not lower than -25 °C)

Observed Band : 110-120kD

Background :

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],

Function :

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 TGFR1 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 SGK.,induction:By androgens in prostate, and by albumin in kidney.,pathway:Protein modification; protein ubiquitination.,PTM:Phosphorylated by SGK or PKA; which impairs interaction with SCNN. Interaction with YWHAH inhibits dephosphorylation.,similarity:Contains 1 C2 domain.,similarity:Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain.,similarity:Contains 4 WW domains.,subunit:Int

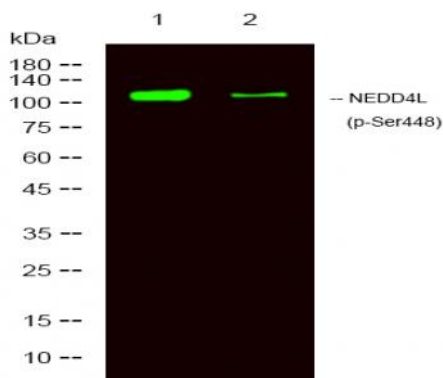
Subcellular Location :

Cytoplasm . Golgi apparatus . Endosome, multivesicular body . May be recruited to exosomes by NDFIP1.

Expression :

Ubiquitously expressed, with highest levels in prostate, pancreas, and kidney (PubMed:14615060, PubMed:15496141, PubMed:19664597). Expressed in melanocytes (PubMed:23999003).

Products Images



Western Blot analysis of 1 HeLa treated with LPS, 2 HeLa, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000