

## NEDD4L (Phospho Ser448) Rabbit pAb

CatalogNo: YP1417 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 110-120kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

WB 1:1000-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human NEDD4L (Ser448)

**Specificity** This antibody detects endogenous levels of Human NEDD4L (phospho-Ser448)

### Target Information

**Gene name** NEDD4L KIAA0439 NEDL3

**Protein Name** NEDD4L (Ser448)

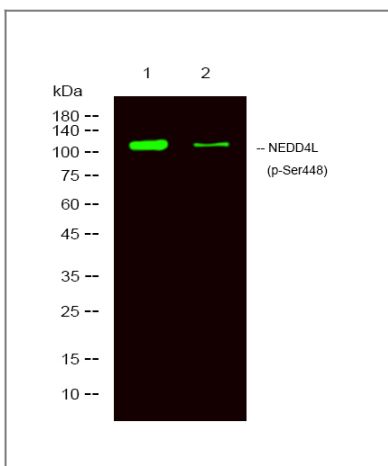
Organism	Gene ID	UniProt ID
Human	<a href="#">23327</a> ;	<a href="#">Q96PU5</a> ;
Mouse		<a href="#">Q8CFI0</a> ;

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

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

**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:Interacts with NDFIP2 and UBE2E3 (By similarity) . 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 NDFIP1 in vitro. ,tissue specificity:Ubiquitously expressed , with highest levels in prostate , pancreas and kidney. ,

## Validation Data



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

## Contact information

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