

Phospho-NEDD4L-S448 Rabbit pAb

Catalog No.: AP0843

Basic Information

Observed MW

100kDa/130kDa

Calculated MW

112kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

23327

Swiss Prot

Q96PU5

Immunogen

A synthetic phosphorylated peptide around S448 of human NEDD4L (NP_001138439.1).

Synonyms

RSP5; PVNH7; NEDD4-2; NEDD4.2; hNEDD4-2; Phospho-NEDD4L-S448

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

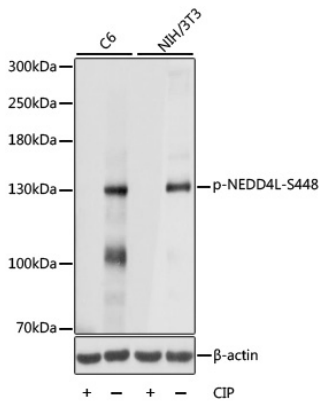
Affinity purification

Storage

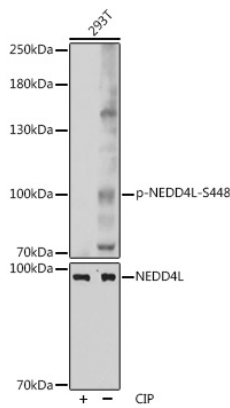
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using Phospho-NEDD4L-S448 Rabbit pAb (AP0843) at 1:1000 dilution. NIH 3T3 cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37°C for 1 hour. C6 cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Western blot analysis of lysates from 293T cells, using Phospho-NEDD4L-S448 Rabbit pAb (A8085). 293T cells were treated by CIP (20uL/400ul) at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.