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Datasheet for ABIN7266883
anti-NEDD4-2 antibody (pSer448)

2 Images

Overview

Quantity:	100 µL
Target:	NEDD4-2 (NEDD4L)
Binding Specificity:	pSer448
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEDD4-2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Phospho-NEDD4L-S448 Rabbit pAb
Immunogen:	A synthetic phosphorylated peptide around S448 of human NEDD4L (NP_001138439.1).
Sequence:	SLSSP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Phosphorylated Antibodies
Purification:	Affinity purification

Target Details

Target:	NEDD4-2 (NEDD4L)
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Target Details

Alternative Name: [NEDD4L \(NEDD4L Products\)](#)

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.,NEDD4L,NEDD4-2,NEDD4.2,PVNH7,RSP5,hNEDD4-2,Epigenetics & Nuclear Signaling,Cell Biology & Developmental Biology,Ubiquitin,Ubiquitin-Proteasome Signaling Pathway,Protein phosphorylation,NEDD4L

Molecular Weight: 96-111kDa

Gene ID: 23327

UniProt: [Q96PU5](#)

Pathways: [Negative Regulation of Transporter Activity](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

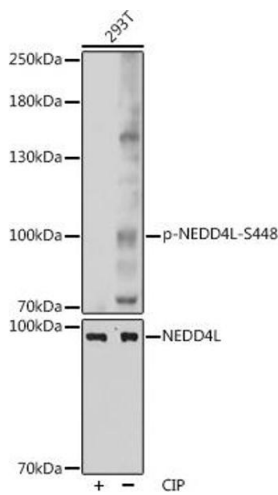
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

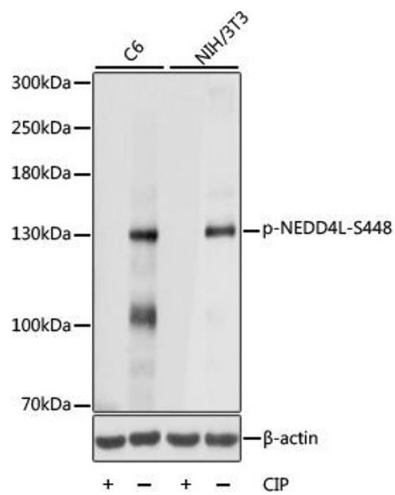
Storage: -20 °C

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



Western Blotting

Image 1. Western blot analysis of extracts of 293T cells, using Phospho-NEDD4L-S448 pAb (ABIN7266883) at 1:1000 dilution or NEDD4L antibody (ABIN6132407, ABIN6144504, ABIN6144505 and ABIN6224109). 293T cells were treated by CIP (20 μ L/400 μ L) at 37 °C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3 % BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Phospho-NEDD4L-S448 antibody (ABIN7266883) at 1:1000 dilution. NIH 3T3 cell lysate were treated by CIP (20 μ L CIP for each 400 μ L cell lysate) at 37 °C for 1 hour. C6 cell lysate were treated by CIP (20 μ L CIP for each 400 μ L cell lysate) at 37 °C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3 % BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.