

Product Name: KD-Validated NEDD4L Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01416**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:4,000-1:20,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 111.9kDa

Antigen Information

Gene Name	NEDD4L
Alternative Names	NEDD4L; NEDD4 Like E3 Ubiquitin Protein Ligase; KIAA0439; NEDD4-2; RSP5; Neural Precursor Cell Expressed, Developmentally Down-Regulated 4-Like; E3 Ubiquitin Protein Ligase; HECT-Type E3 Ubiquitin Transferase NED4L; E3 Ubiquitin-Protein Ligase NEDD4-Like; NEDD4.2; Neural Precursor Cell Expressed, Developmentally Down-Regulated 4-Like; Ubiquitin-Protein Ligase Rsp5; EC 2.3.2.26; EC 2.3.2.36; HNEDD4-2; EC 6.3.2; Nedd4-2; PVNH7; NEDL3
Gene ID	23327.0
SwissProt ID	Q96PU5
Immunogen	A synthesized peptide derived from human NEDD4-2

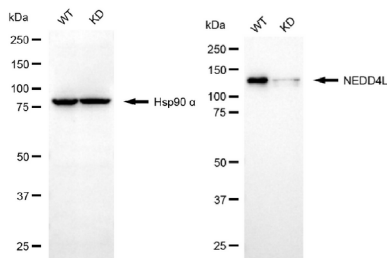
Background

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]

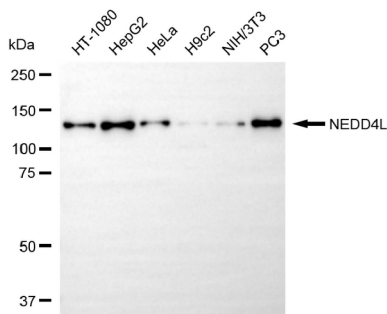
Research Area

Epigenetics and Nuclear Signaling, Cell Biology

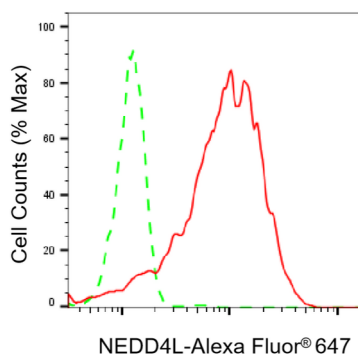
Image Data



Western blotting analysis using NEDD4L antibody (KVA01416). NEDD4L expression in wild-type (WT) and NEDD4L knockdown (KD) 293T cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NEDD4L antibody (KVA01416, 1:20,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using NEDD4L antibody (KVA01416). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NEDD4L antibody (KVA01416, 1:20,000) and HRP-conjugated goat anti rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of NEDD4L expression in HepG2 cells using NEDD4L antibody (KVA01416, 1:2,000). Green, isotype control; red, NEDD4L.