

Product Name: KD-Validated NEDD4 Mouse Monoclonal Antibody**Catalog #: KVA00501**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse 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 1:500-1:2,500
Molecular Weight	Calculated MW: 149.1kDa

Antigen Information

Gene Name	NEDD4
Alternative Names	NEDD4; NEDD4 E3 Ubiquitin Protein Ligase; NEDD4-1; RPF1; KIAA0093; Neural Precursor Cell Expressed, Developmentally Down-Regulated 4, E3 Ubiquitin Protein Ligase; Cell Proliferation-Inducing Gene 53 Protein; HECT-Type E3 Ubiquitin Transferase NEDD4; E3 Ubiquitin-Protein Ligase NEDD4; Receptor-Potentiating Factor 1; MGC176705; Neural Precursor Cell Expressed Developmentally Down-Regulated Protein 4; Neural Precursor Cell Expressed, Developmentally Down-Regulated 4; EC 2.3.2.26; EC 6.3.2; NEDD-4
Gene ID	4734.0
SwissProt ID	P46934
Immunogen	Recombinant protein of human NEDD4

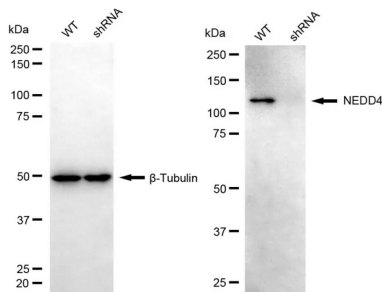
Background

This gene is the founding member of the NEDD4 family of HECT ubiquitin ligases that function in the ubiquitin proteasome system of protein degradation. The encoded protein contains an N-terminal calcium and phospholipid binding C2 domain followed by multiple tryptophan-rich WW domains and, a C-terminal HECT ubiquitin ligase catalytic domain. It plays critical role in the regulation of a number of membrane receptors, endocytic machinery components and the tumor suppressor PTEN. [provided by RefSeq, Jul 2016]

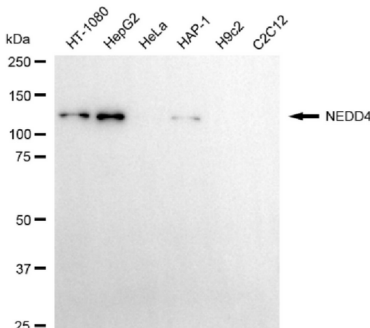
Research Area

Cell Biology, Neuroscience, Epigenetics and Nuclear Signaling

Image Data



Western blotting analysis using NEDD4 antibody (KVA00501). NEDD4 expression in wild-type (WT) and NEDD4 shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with NEDD4 antibody (KVA00501, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Western blotting analysis using NEDD4 antibody (KVA00501). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NEDD4 antibody (KVA00501, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.