

Anti-NEDD4 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

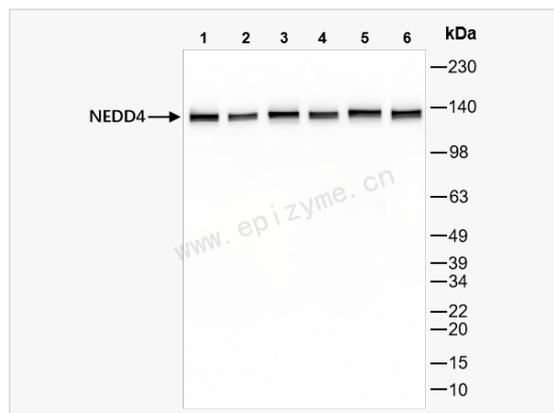
Catalog # R015914

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	99Q83K08
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human NEDD4
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-NEDD4 Rabbit mAb [99Q83K08] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	KIAA0093; NEDD4-1; RPF1; PIG53; NEDD4; E3 ubiquitin-protein ligase NEDD4; Cell proliferation-inducing gene 53 protein; HECT-type E3 ubiquitin transferase NEDD4; Neural precursor cell expressed developmentally down-regulated protein 4; NEDD-4.
Calculated MW	Calculated MW: 149 kDa; Observed MW: 135 kDa
Uniprot ID	P46934
Gene ID	4734
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]
Cellular Location	Cytoplasm.Nucleus.Cell membrane.Peripheral membrane protein.Predominantly cytoplasmic but also located in the nucleus (PubMed:11342538). Recruited to the plasma membrane by GRB10. Once complexed with GRB10 and IGF1R, follows IGF1R internalization, remaining associated with early endosomes. Uncouples from IGF1R-containing endosomes before the sorting of the receptor to the lysosomal compartment (By similarity). May be recruited to exosomes by NDFIP1 (PubMed:18819914).



Western Blot - Anti-NEDD4 Rabbit mAb [99Q83K08]

All lanes: R015914 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: SH-SY5Y (Human neuroblastoma epithelial cell) whole cell lysates

Lane 5: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 6: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 149 kDa

Observed band size: 135 kDa

Developed using the ECL technique (Cat. No. SQ201).