

Anti-NEDD4 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

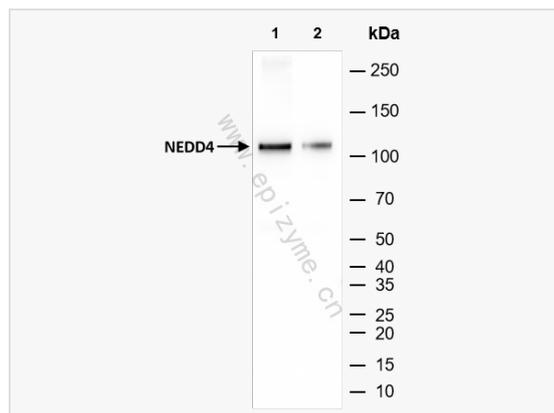
Catalog # R011317

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:5,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	63L30K48
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human NEDD4
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% 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 antibody [63L30K48] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Cell proliferation-inducing gene 53 protein, E3 ubiquitin protein ligase Nedd4, E3 ubiquitin-protein ligase NEDD4, HECT-type E3 ubiquitin transferase NEDD4, KIAA0093, NEDD 4, NEDD-4, Nedd4, NEDD4_HUMAN, Neural precursor cell expressed developmentally down regulated 4, Neural precursor cell expressed developmentally down-regulated protein 4, neural precursor cell expressed, developmentally down-regulated 4, E3 ubiquitin protein ligase, PIG53, receptor-potentiating factor 1, RPF1.
Calculated MW	Calculated MW: 149 kDa; Observed MW: 115 kDa
Uniprot ID	P46934
Gene ID	4734
Background	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Involved in the pathway leading to the degradation of VEGFR-2/KDR, independently of its ubiquitin-ligase activity.
Cellular Location	Cytoplasm. Cell membrane. 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.



Western Blot - Anti-NEDD4 Rabbit mAb [63L30K48]

All lanes: R011317 at 1:5,000 dilution

Lane 1: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 2: T24 (Human bladder cancer 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: 115 kDa

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