Product datasheet

Anti-NEDD4 Antibody

Catalog Number: *A00984-2*

BOSTER
antibody and ELISA experts
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Basic Information

Product Name	Anti-NEDD4 Antibody
Gene Name	NEDD4
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human NEDD4 recombinant protein (Position: N960-F1245).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	105-150 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA: 1:100-1000

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

E3 ubiquitin-protein ligase NEDD4, also known as neural precursor cell expressed developmentally down-regulated protein 4 (NEDD4), is an enzyme that in humans is encoded by the NEDD4 gene. 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.

Selected Validation Data

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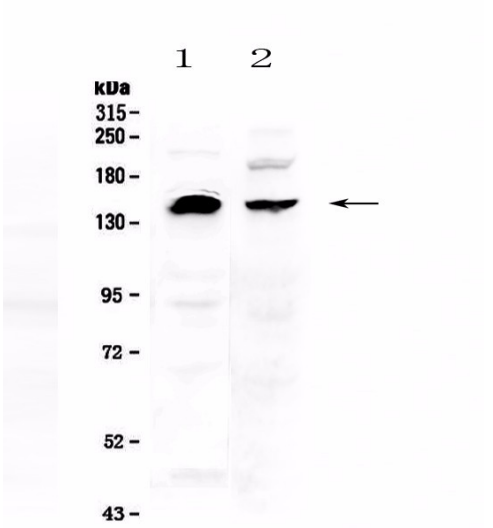

Western blot analysis of NEDD4 using anti-NEDD4 antibody (A00984-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human U-87MG whole cell lysates,
Lane 2: human MDA-MB-453 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-NEDD4 antigen affinity purified polyclonal antibody (A00984-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for NEDD4 at approximately 105-150 kDa. The expected band size for NEDD4 is at 149 kDa .