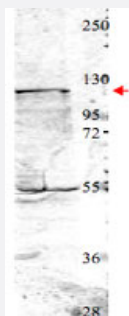


NEDD4 polyclonal antibody

Catalog # PAB10283 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot using NEDD4 polyclonal antibody (Cat # PAB10283) shows detection of a 115 kDa band corresponding to endogenous NEDD4 (arrowhead) in MDA-MB-435 cell lysates.

The blot was blocked with 5% BLOTTO overnight at 4°C.

Primary antibody was used at a 1 : 350 dilution in 5% BLOTTO followed by reaction with a 1 : 20,000 dilution of HRP goat anti-rabbit IgG.

ECL was used for detection.

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of NEDD4.

Immunogen A synthetic peptide corresponding to internal region of human NEDD4.

Host Rabbit

Reactivity Bovine, Chimpanzee, Dog, Horse, Human, Macaque, Rabbit

Specificity This antibody reacts with endogenous Nedd4 protein.

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
ELISA (1:20000-1:35000)
Western Blot (1:300-1:500)
The optimal working dilution should be determined by the end user.

Storage Buffer In 20 mM KH₂PO₄, 150 mM NaCl, pH 7.2 (0.01% sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Immunofluorescence

- Enzyme-linked Immunoabsorbent Assay

Gene Info — NEDD4

Entrez GeneID[4734](#)**Protein Accession#**[NP_006145:P46934](#)**Gene Name**

NEDD4

Gene Alias

KIAA0093, MGC176705, NEDD4-1, RPF1

Gene Description

neural precursor cell expressed, developmentally down-regulated 4

Omim ID[602278](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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Other Designations

receptor-potentiating factor 1

Publication Reference

- [NEDD4-2 \(neural precursor cell expressed, developmentally down-regulated 4-2\) negatively regulates TGF-beta \(transforming growth factor-beta\) signalling by inducing ubiquitin-mediated degradation of Smad2 and TGF-beta type I receptor.](#)

Kuratomi G, Komuro A, Goto K, Shinozaki M, Miyazawa K, Miyazono K, Imamura T.

The Biochemical Journal 2005 Mar; 386(Pt 3):461.

- [Nedd4-like proteins: an emerging family of ubiquitin-protein ligases implicated in diverse cellular functions.](#)

Harvey KF, Kumar S.

Trends in Cell Biology 1999 May; 9(5):166.

Application: IHC, WB-Ce, WB-Tr, Human, Mammalian cells

- [Nedd4 mediates control of an epithelial Na⁺ channel in salivary duct cells by cytosolic Na⁺.](#)

Dinudom A, Harvey KF, Komwatana P, Young JA, Kumar S, Cook DI.

PNAS 1998 Jun; 95(12):7169.

Application: IHC-P, Mouse, Mandibular gland

Pathway

- [Endocytosis](#)
- [Ubiquitin mediated proteolysis](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Keloid](#)