

Datasheet for ABIN3043271
anti-NEDD9 antibody (AA 273-421)



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1 Image

Overview

Quantity:	100 µg
Target:	NEDD9
Binding Specificity:	AA 273-421
Reactivity:	Human, Rat, Mouse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NEDD9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-HEF1/NEDD9 Antibody Picoband®
Immunogen:	E.coli-derived human HEF1 recombinant protein (Position: K273-E421). Human HEF1 shares 83% amino acid (aa) sequence identity with mouse HEF1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-HEF1/NEDD9 Antibody Picoband® (ABIN3043271). Tested in Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Monkey, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: NEDD9

Alternative Name: NEDD9 ([NEDD9 Products](#))

Background: Synonyms: Enhancer of filamentation 1, hEF1, CRK-associated substrate-related protein, CAS-L, CasL, Cas scaffolding protein family member 2, Neural precursor cell expressed developmentally down-regulated protein 9, NEDD-9, Renal carcinoma antigen NY-REN-12, p105, Enhancer of filamentation 1 p55, NEDD9, CASL, CASS2,

Tissue Specificity: Widely expressed. Higher levels detected in kidney, lung, and placenta. Also detected in T-cells, B-cells and diverse cell lines. The protein has been detected in lymphocytes, in diverse cell lines, and in lung tissues.

Background: Enhancer of filamentation 1 (EF1), also known as NEDD-9, is a protein that in humans is encoded by the NEDD9 gene. The protein encoded by this gene is a member of the CRK-associated substrates family. Members of this family are adhesion docking molecules that mediate protein-protein interactions for signal transduction pathways. It is mapped to 6p24.2. This protein is a focal adhesion protein that acts as a scaffold to regulate signaling complexes important in cell attachment, migration and invasion as well as apoptosis and the cell cycle. This protein has also been reported to have a role in cancer metastasis. NEDD9 is also a highly relevant cancer gene that governs metastatic potential in human melanoma. What's more, it has been speculated that NEDD9 may be an important linking element between extracellular signaling and regulation of the cytoskeleton.

Sequence Similarities: Belongs to the CAS family.

Molecular Weight: 93-105 kDa

Gene ID: 4739

UniProt: [Q14511](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human, Monkey, Mouse, Rat

Immunohistochemistry, 2-5 µg/mL, Human

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human1. Law, S. F., Estojak, J., Wang, B., Mysliwiec, T., Kruh, G., Golemis, E. A. Human enhancer of filamentation 1, a novel p130(cas)-like docking

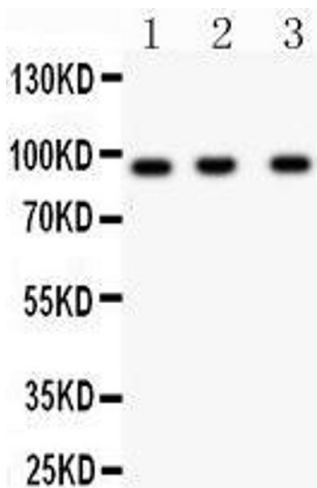
Application Details

	protein, associates with focal adhesion kinase and induces pseudohyphal growth in <i>Saccharomyces cerevisiae</i> . Molec. Cell. Biol. 16: 3327-3337, 1996. 2. Gross, M. B. Personal Communication. Baltimore, Md. 9/4/2012.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1.