

Rabbit NEDD1 Polyclonal Antibody | anti-NEDD1 antibody

Anti-NEDD1 Antibody Picoband

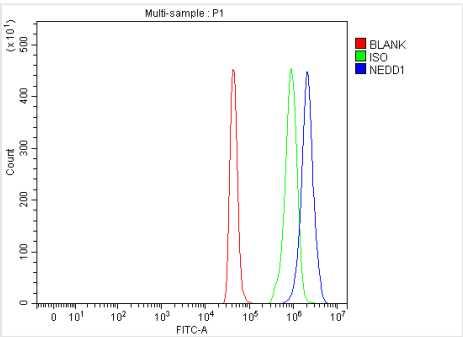
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127366	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

NEDD1; Polyclonal Antibody; Anti-NEDD1 Antibody Picoband; RAS protein activator like 1 ; RasGAP-activating-like protein 1; RAS protein activator like 1; anti-NEDD1 antibody

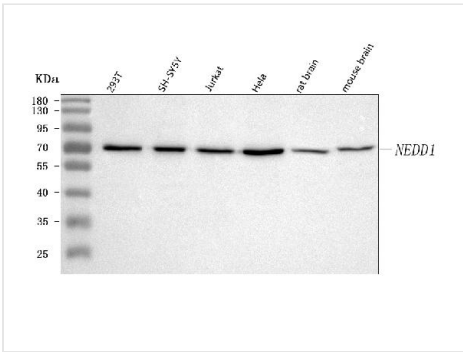
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Highly expressed in thyroid and adrenal medulla, lower expression in brain, spinal cord and trachea (PubMed:9751798). Expressed in melanocytes (PubMed:23999003).
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-NEDD1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human NEDD1 recombinant protein (Position: D191-E647).
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Probable inhibitory regulator of the Ras-cyclic AMP pathway (PubMed:9751798). Plays a role in dendrite formation by melanocytes (PubMed:23999003).
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of SH-SY5Y cells using anti-NEDD1 antibody (AAA127366).Overlay histogram showing SH-SY5Y cells stained with AAA127366 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NEDD1 Antibody (AAA127366, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)

Figure 1. Western blot analysis of NEDD1 using anti-NEDD1 antibody (AAA127366).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human SH-SY5Y whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: human Hela whole cell lysates,Lane 5: rat brain tissue lysates,Lane 6: mouse brain tissue lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-NEDD1 antigen affinity purified polyclonal antibody (#AAA127366) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for NEDD1 at approximately 70 kDa. The expected band size for NEDD1 is at 70 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NEDD1 antibody	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 Categories/Family for anti-NEDD1 antibody	Primary Antibodies; Cancer; G Protein Signaling; Oncoproteins/Suppressors; Regulators; Signal Transduction; Signaling Pathway; Small G Proteins; Tumor Suppressors
References	1. Kumar, S., Tomooka, Y., Noda, M. Identification of a set of genes with developmentally down-regulated expression in the mouse brain. Biochem. Biophys. Res. Commun. 185: 1155-1161, 1992. 2. Takai, S., Yoshida, Y., Noda, M., Yamada, K., Kumar, S. Assignment of the developmentally regulated gene NEDD1 to human chromosome 12q22 by fluorescence in situ hybridization. Hum. Genet. 95: 96-98, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74762597
NCBI GeneID	121441
UniProt Accession #	Q8NHV4; Q8NA30; B0AZN0; B4E145; G3V3F1
Molecular Weight	660
NCBI Official Full Name	Protein NEDD1
NCBI Official Synonym Full Names	neural precursor cell expressed, developmentally down-regulated 1
NCBI Official Symbol	NEDD1
NCBI Official Synonym Symbols	GCP-WD; TUBGCP7
NCBI Protein Information	protein NEDD1; NEDD-1; neural precursor cell expressed developmentally down-regulated protein 1
UniProt Protein Name	Protein NEDD1

UniProt Gene Name	NEDD1
UniProt Synonym Gene Names	NEDD-1
UniProt Entry Name	NEDD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/nedd1-antibody-flow-cytometry-western-blot-elisa/127366>