

Rabbit anti-Human NGDN Polyclonal Antibody | anti-NGDN antibody

Anti-NGDN Antibody Picoband

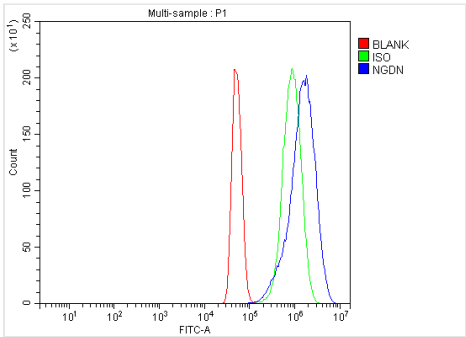
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126568	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

NGDN; Polyclonal Antibody; Anti-NGDN Antibody Picoband; anti-NGDN antibody

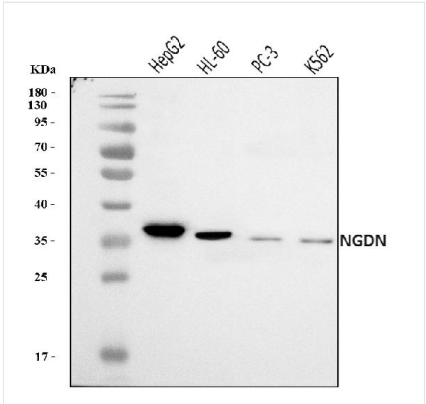
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-NGDN antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human NGDN recombinant protein (Position: E8-K191).
Preparation and Storage	Store 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.



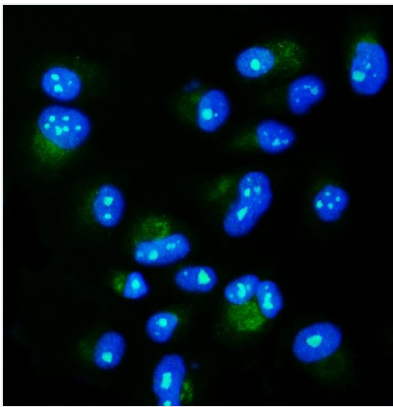
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U251 cells using anti-NGDN antibody (AAA126568).Overlay histogram showing U251 cells stained with AAA126568 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-NGDN Antibody (AAA126568, 1 ug/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 (1 ug/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 NGDN using anti-NGDN antibody (AAA126568).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 HepG2 whole cell lysates,Lane 2: human HL-60 whole cell lysates,Lane 3: human PC-3 whole cell lysates,Lane 4: human K562 whole cell 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-NGDN antigen affinity purified polyclonal antibody (#AAA126568) at 0.25 ug/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 NGDN at approximately 36 kDa. The expected band size for NGDN is at 36 kDa.



IF (Immunofluorescence)

Figure 2. IF analysis of NGDN using anti-NGDN antibody (AAA126568).NGDN was detected in an immunocytochemical section of PC-3 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-NGDN Antibody (AAA126568) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

ADDITIONAL INFORMATION

Related Product Information for anti-NGDN antibody	Neuroguidin is an EIF4E-binding protein that interacts with CPEB and functions as a translational regulatory protein during development of the vertebrate nervous system.
Product Categories/Family for anti-NGDN antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	46395905
NCBI GeneID	25983
UniProt Accession #	Q8NEJ9; Q9Y400; A8K760
Molecular Weight	315
NCBI Official Full Name	Neuroguidin
NCBI Official Synonym Full Names	neuroguidin, EIF4E binding protein
NCBI Official Symbol	NGDN
NCBI Official Synonym Symbols	NGD; LCP5; CANu1; lpd-2; C14orf120
NCBI Protein Information	neuroguidin; EIF4E-binding protein; centromere accumulated nuclear protein 1; eukaryotic initiation factor 4E and CPEB binding protein
UniProt Protein Name	Neuroguidin
UniProt Gene Name	NGDN
UniProt Synonym Gene Names	C14orf120; CANu1
UniProt Entry Name	NGDN_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/ngdn-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126568>