

Rabbit NECAB3 Polyclonal Antibody | anti-NECAB3 antibody

Anti-NECAB3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127716	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

NECAB3; Polyclonal Antibody; Anti-NECAB3 Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; IL17b; Nirf; Zcyto7; anti-NECAB3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-NECAB3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human NECAB3 recombinant protein (Position: D97-D339).
Subcellular Localization	Secreted
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	Stimulates the release of tumor necrosis factor alpha and IL-1-beta from the monocytic cell line THP-1.
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 U251 cells using anti-NECAB3 antibody (AAA127716).Overlay histogram showing U251 cells stained with AAA127716 (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-NECAB3 Antibody (AAA127716, 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 NECAB3 using anti-NECAB3 antibody (AAA127716).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 Hela whole cell lysates,Lane 2: human 293T whole cell lysates,Lane 3: rat brain tissue lysates,Lane 4: 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-NECAB3 antigen affinity purified polyclonal antibody (#AAA127716) 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 NECAB3 at approximately 44 kDa. The expected band size for NECAB3 is at 44 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-NECAB3 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-NECAB3 antibody	Primary Antibodies; Cytokines; Immunology; Innate Immunity; Interleukins
References	1. protein metabolism by XB51, a novel X11L-binding protein. J. Biol. Chem. 275: 23134-23138, 2000.2. Sugita, S., Ho, A., Sudhof, T. C. NECABs: a family of neuronal Ca(2+)-binding proteins with an unusual domain structure and a restricted expression pattern. Neuroscience 112: 51-63, 2002. 3. Sumioka, A., Imoto, S., Martins, R. N., Kirino, Y., Suzuki, T. XB51 isoforms mediate Alzheimer's beta-amyloid peptide production by X11L (X11-like protein)-dependent and -independent mechanisms. Biochem. J. 374: 261-268, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	149158725
NCBI GeneID	63941
NCBI Accession #	NP_112508.3
NCBI GenBank Nucleotide #	NM_031231.3
UniProt Accession #	Q96P71; Q5JWF5; Q5JWF6; Q5JWF7; Q86VV1; Q9H433; Q9H8G8; Q9HBW7; Q9HCQ9; A8K780; E1P5N2
Molecular Weight	44,350 Da
NCBI Official Full Name	N-terminal EF-hand calcium-binding protein 3 isoform 1
NCBI Official Synonym Full Names	N-terminal EF-hand calcium binding protein 3
NCBI Official Symbol	NECAB3
NCBI Official Synonym Symbols	NIP1; XB51; STIP3; EFCBP3; SYTIP2; APBA2BP; dJ63M2.4; dJ63M2.5
NCBI Protein Information	N-terminal EF-hand calcium-binding protein 3; X11L-binding protein 51; Nek2-interacting protein 1; EF-hand calcium binding protein 3; neuronal calcium-binding protein 3; synaptotagmin interacting protein 2; neuronal calcium-binding protein NECAB3; synapto
UniProt Protein Name	N-terminal EF-hand calcium-binding protein 3
UniProt Gene Name	NECAB3
UniProt Synonym Gene Names	APBA2BP; NIP1; SYTIP2; XB51

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/necab3-antibody-flow-cytometry-western-blot-elisa/127716>