

Datasheet for ABIN7602707
anti-NECAB3 antibody (AA 97-339)



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Overview

Quantity:	100 µg
Target:	NECAB3
Binding Specificity:	AA 97-339
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NECAB3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NECAB3 Antibody Picoband®
Immunogen:	E.coli-derived human NECAB3 recombinant protein (Position: D97-D339).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NECAB3 Antibody Picoband® (ABIN7602707). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human, 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	NECAB3
Alternative Name:	NECAB3 (NECAB3 Products)
Background:	<p>Synonyms: Interleukin-17B, IL-17B, Cytokine CX1, Cytokine-like protein ZCYT07, Neuronal interleukin-17-related factor, Il17b, Nirf, Zcyto7</p> <p>Tissue Specificity: Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.</p> <p>Background: N-terminal EF-hand calcium-binding protein 3 is a protein that in humans is encoded by the NECAB3 gene. The protein encoded by this gene interacts with the amino-terminal domain of the neuron-specific X11-like protein (X11L), inhibits the association of X11L with amyloid precursor protein through a non-competitive mechanism, and abolishes the suppression of beta-amyloid production by X11L. This protein, together with X11L, may play an important role in the regulatory system of amyloid precursor protein metabolism and beta-amyloid generation. The protein is phosphorylated by NIMA-related expressed kinase 2, and localizes to the Golgi apparatus. Multiple transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Weight:	44 kDa
Gene ID:	63941
UniProt:	Q96P71

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>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.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 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, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	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 freezing and thawing.