

Datasheet for ABIN7601173
anti-NCALD antibody (AA 3-193)



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Overview

Quantity:	100 µg
Target:	NCALD
Binding Specificity:	AA 3-193
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NCALD antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-NCALD Antibody Picoband®
Immunogen:	E.coli-derived human NCALD recombinant protein (Position: K3-F193).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NCALD Antibody Picoband® (ABIN7601173). Tested in ELISA, WB 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:	NCALD
Alternative Name:	NCALD (NCALD Products)
Background:	Synonyms: Interleukin-36 alpha, FIL1 epsilon, Interleukin-1 epsilon, IL-1 epsilon, Interleukin-1 family member 6, IL-1F6, IL36A, FIL1E, IL1E, IL1F6 Tissue Specificity: Expressed in immune system and fetal brain, but not in other tissues tested or in multiple hematopoietic cell lines. Predominantly expressed in skin keratinocytes but not in fibroblasts, endothelial cells or melanocytes. Increased in lesional psoriasis skin. Background: This gene encodes a member of the neuronal calcium sensor (NCS) family of calcium-binding proteins. The protein contains an N-terminal myristoylation signal and four EF-hand calcium binding loops. The protein is cytosolic at resting calcium levels, however, elevated intracellular calcium levels induce a conformational change that exposes the myristoyl group, resulting in protein association with membranes and partial co-localization with the perinuclear trans-golgi network. The protein is thought to be a regulator of G protein-coupled receptor signal transduction. Several alternatively spliced variants of this gene have been determined, all of which encode the same protein, additional variants may exist but their biological validity has not been determined.
Molecular Weight:	22 kDa
Gene ID:	83988
UniProt:	P61601

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Riessland, M., Kaczmarek, A., Schneider, S., Swoboda, K. J., Lohr, H., Bradler, C., Grysko, V., Dimitriadi, M., Hosseinibarkooie, S., Torres-Benito, L., Peters, M., and 17 others. Neurocalcin delta suppression protects against spinal muscular atrophy in humans and across species by restoring impaired endocytosis. <i>Am. J. Hum. Genet.</i> 100: 297-315, 2017. 2. Wang, W., Zhou, Z., Zhao, W., Huang, Y., Tang, R., Ying, K., Xie, Y., Mao, Y. Molecular cloning, mapping and characterization of the human neurocalcin delta gene (NCALD). <i>Biochim. Biophys. Acta</i> 1518: 162-167, 2001.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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.