

Datasheet for ABIN7602104  
**anti-Nicalin antibody (AA 59-563)**



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## Overview

Quantity:	100 µg
Target:	Nicalin (NCLN)
Binding Specificity:	AA 59-563
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Nicalin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Purpose:	Anti-NCLN Antibody Picoband®
Immunogen:	E.coli-derived human NCLN recombinant protein (Position: Q59-Q563). Human NCLN shares 92.9% and 92.5% amino acid (aa) sequence identity with mouse and rat NCLN, respectively.
Characteristics:	Anti-NCLN Antibody Picoband® (ABIN7602104). Tested in WB, IHC, ICC/IF, Flow Cytometry, ELISA 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:	Nicalin (NCLN)
Alternative Name:	NCLN ( <a href="#">NCLN Products</a> )
Background:	Nicalin is a protein that in humans is encoded by the NCLN gene. Enables ribosome binding activity. Involved in protein stabilization, regulation of protein complex stability, and regulation of protein-containing complex assembly. Located in endoplasmic reticulum membrane. Part of protein-containing complex.
Molecular Weight:	63 kDa
Gene ID:	56926
UniProt:	<a href="#">Q969V3</a>

## Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10 <sup>6</sup> cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Dettmer, U., Kuhn, P.-H., Abou-Ajram, C., Lichtenthaler, S. F., Kruger, M., Kremmer, E., Haass, C., Haffner, C. Transmembrane protein 147 (TMEM147) is a novel component of the nicalin-NOMO protein complex. J. Biol. Chem. 285: 26174-26181, 2010. 2. Haffner, C., Frauli, M., Topp, S., Irmiler, M., Hofmann, K., Regula, J. T., Bally-Cuif, L., Haass, C. Nicalin and its binding partner Nomo are novel Nodal signaling antagonists. EMBO J. 23: 3041-3050, 2004. 3. Stumpf, A. M. Personal Communication. Baltimore, Md. 08/17/2021.
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 <sub>2</sub> HPO <sub>4</sub> .
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.