

## Datasheet for 600-401-CX6

# NALP10 Antibody

### Overview

<b>Description:</b>	Anti-NALP10 (RABBIT) Antibody - 600-401-CX6
<b>Item No.:</b>	600-401-CX6
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, IF, IHC, WB
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Rabbit

### Product Details

<b>Background:</b>	NALP proteins are cytoplasmic proteins that form a subfamily within the larger CATERPILLER family and are thought to play a crucial role in cell proliferation and reproduction. Like all other NALP family members, NALP10 has a C-terminal leucine-rich repeat (LRR) region, an N-terminal Pyrin domain (PYD) followed by a NACHT domain, and a NACHT-associated domain. It was initially identified as PYNOD, an Apaf-1-like protein that binds to ASC, caspase-1 and IL-1b, inhibiting the autoprocessing of caspase-1, caspase-1-mediated IL-1b processing, and ASC aggregation. NALP10 is thus a potent regulator of apoptosis and inflammation.
<b>Synonyms:</b>	NALP10 Antibody, NOD8, PAN5, PYNOD, NALP10, CLR11.1, NOD8, NACHT, LRR and PYD domains-containing protein 10, Nucleotide-binding oligomerization domain protein 8
<b>Host Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Gene Name:</b>	NLRP10
<b>Reactivity:</b>	Human
<b>Immunogen Type:</b>	Conjugated Peptide
<b>Immunogen:</b>	Anti-NALP10 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the N-terminus of human NALP10.

<b>Purity/Specificity:</b>	Anti-NALP10 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with NALP10 from other sources has not been determined.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q86W26</a></li><li>• <a href="#">GeneID - 338322</a></li><li>• <a href="#">NCBI - NP_789791</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA, IF, IHC, WB
<b>Application Note:</b>	Anti-NALP10 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 75 kDa in Western Blots of specific cell lysates and tissues.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:10,000
<b>IF:</b>	20 µg/mL
<b>IHC:</b>	10 µg/mL
<b>WB:</b>	1 µg/mL

## Formulation

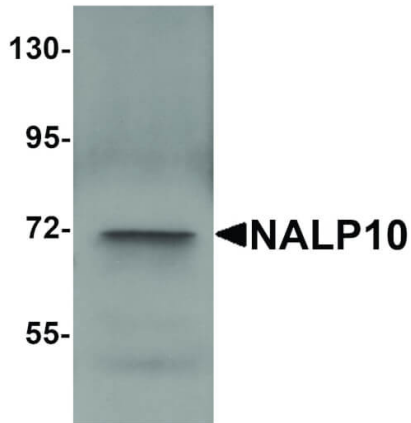
<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	1 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.02% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

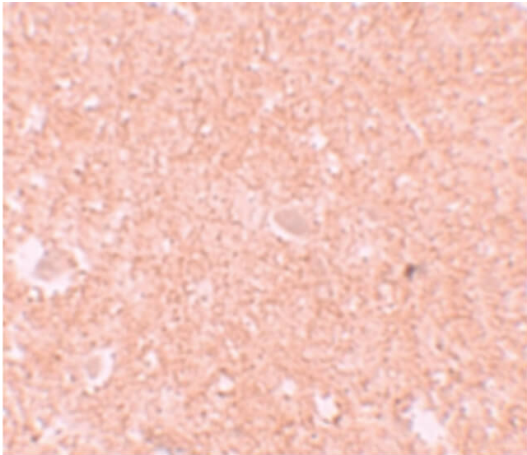
**Expiration:** Expiration date is one (1) year from date of receipt.

## Images



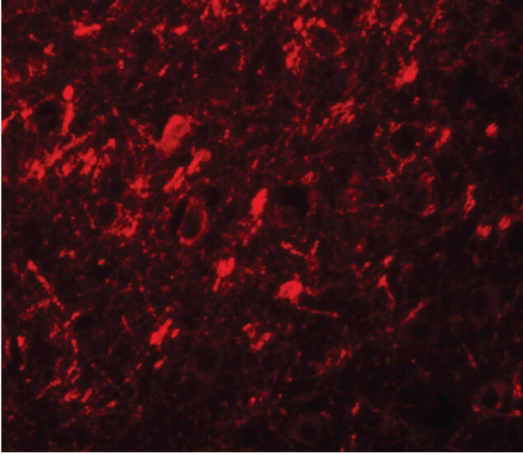
### Western Blot

Western Blot of NALP10 antibody. Lane 1: human brain tissue lysate with NALP10 antibody at 1  $\mu\text{g}/\text{mL}$ . Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 75 kDa, 72 kDa for NALP10. Other band(s): NALP10 splice variants and isoforms.



### Immunohistochemistry

Immunohistochemistry of NALP10 antibody. Tissue: Human brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NALP10 antibody at 10  $\mu\text{g}/\text{mL}$  for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NALP10 is cytoplasmic and a membrane protein. Staining: NALP10 as precipitated pink signal with purple counterstain.



#### **Immunofluorescence Microscopy**

Immunofluorescence Microscopy of NALP10 antibody.  
Tissue: Human brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: NALP10 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NALP10 is cytoplasmic and is a membrane protein. Staining: NALP10 as red fluorescent signal.

#### **Disclaimer**

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.