

Datasheet for 600-401-CY0

NALP14 Antibody

Overview

| | |
|----------------------|---|
| Description: | Anti-NALP14 (RABBIT) Antibody - 600-401-CY0 |
| Item No.: | 600-401-CY0 |
| Size: | 100 µg |
| Applications: | ELISA, WB |
| Reactivity: | Human, Mouse, Rat |
| Host Species: | Rabbit |

Product Details

| | |
|----------------------|--|
| Background: | 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, NALP14 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. While little is known about the function of NALP14, it has been suggested that it may play a role in spermatogenesis and that mutations in the NALP14 gene might cause spermatogenic failure. |
| Synonyms: | NALP14 Antibody, NOD5, PAN8, GC-LRR, NALP14, CLR11.2, NOD5, NACHT, LRR and PYD domains-containing protein 14, Nucleotide-binding oligomerization domain protein 5 |
| Host Species: | Rabbit |
| Clonality: | Polyclonal |
| Format: | IgG |

Target Details

| | |
|------------------------|--|
| Gene Name: | NLRP14 |
| Reactivity: | Human, Mouse, Rat |
| Immunogen Type: | Conjugated Peptide |
| Immunogen: | Anti-NALP14 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the N-terminus of human NALP14. |

| | |
|----------------------------|---|
| Purity/Specificity: | Anti-NALP14 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with NALP14 from other sources has not been determined. |
| Relevant Links: | <ul style="list-style-type: none">• UniProtKB - Q86W24• GeneID - 338323• NCBI - NP_789792 |

Application Details

| | |
|-----------------------------|---|
| Tested Applications: | ELISA, WB |
| Application Note: | Anti-NALP14 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 124 kDa in Western Blots of specific cell lysates and tissues. |
| Assay Dilutions: | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| ELISA: | 1:10,000 |
| WB: | 1 µg/mL |

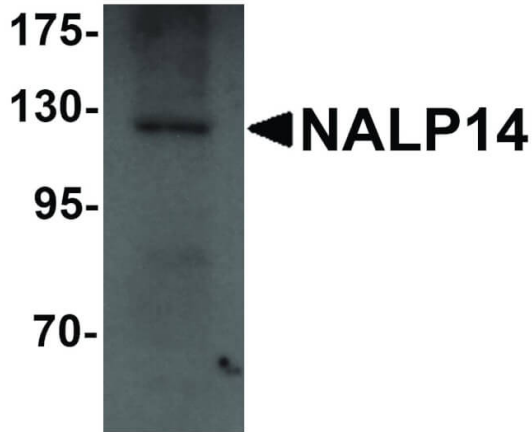
Formulation

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

Shipping & Handling

| | |
|----------------------------|---|
| Shipping Condition: | Dry Ice |
| Storage Condition: | 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 NALP14 antibody. Lane 1: Rat brain tissue lysate with NALP14 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: 124 kDa, 128 kDa for NALP14. Other band(s): NALP14 splice variants and isoforms.

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.