

Datasheet for 600-401-CY2**NALP4 Antibody****Overview**

Description:	Anti-NALP4 (RABBIT) Antibody - 600-401-CY2
Item No.:	600-401-CY2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	NALP proteins include the apoptosis regulator APAF1 (apoptotic protease activating factor 1) and mammalian NOD-LRR proteins and are thought to be involved in inflammation and reproduction. NALP4, also known as PYRIN-containing APAF1-like protein 4, 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. In transfected 293 cells, NALP4 suppressed NF-κB induction by TNF-α and IL-1β, suggesting NALP4 operates at a point of convergence in these two signaling pathways. NALP4 also suppressed NF-κB induction resulting from overexpression of several adapter proteins and protein kinases involved in these pathways, including TRAF2, TRAF6, RIP, and IRAK2, as well as the IKK-α and IKK-β, suggesting that NALP4 is critical in modulating NF-κB activity.
Synonyms:	NALP4 Antibody, CT58, PAN2, RNH2, NALP4, PYPAF4, CLR19.5, NACHT, LRR and PYD domains-containing protein 4, PAAD and NACHT-containing protein 2, CT58
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NLRP4
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-NALP4 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 13 amino acid synthetic peptide near the internal region of human NALP4.
Purity/Specificity:	Anti-NALP4 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with NALP4 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q96MN2 • GeneID - 147945 • NCBI - AAL35293

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-NALP4 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 113 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

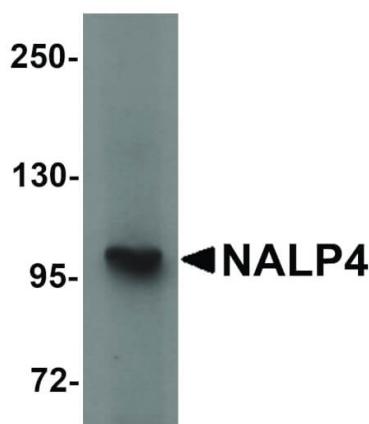
Formulation

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 NALP4 antibody. Lane 1: K562 cell lysate with NALP4 antibody at 1 μ g/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: 113 kDa, 113 kDa for NALP4. Other band(s): NALP4 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.