

Datasheet for 600-401-CX3**NAIP Antibody****Overview**

Description:	Anti-NAIP (RABBIT) Antibody - 600-401-CX3
Item No.:	600-401-CX3
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	Neuronal apoptosis inhibitor protein (NAIP) was the first human inhibitor of apoptosis protein (IAP) identified and was discovered by its association with the neurodegenerative disorder spinal muscular atrophy. Members of the IAP family contain one to three copies of an approximately 70 amino acid motif termed baculovirus IAP repeat (BIR); these BIRs promote protein-protein interactions with various caspases such as caspase-3, -7, and -9 as well as members of the TRAF family of signal molecules. Unlike other IAPs however, NAIP requires ATP to bind caspase-9 and is not inhibited by the IAP-inhibiting molecule Smac/DIABLO, suggesting that NAIP is unique among the IAPs in its regulation of its activity. Finally, although only one human NAIP protein has been identified, other shorter NAIP mRNA transcripts have been reported.
Synonyms:	NAIP Antibody, BIRC1, NLRB1, psiNAIP, BIRC1, Baculoviral IAP repeat-containing protein 1, Neuronal apoptosis inhibitory protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NAIP
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-NAIP antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to 13 amino acids at the C-terminus of human NAIP.
Purity/Specificity:	Anti-NAIP Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Minor, lower molecular weight bands may represent alternately spliced forms.
Relevant Links:	• UniProtKB - Q13075 • GeneID - 4671 • NCBI - AAC52047

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-NAIP Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 160 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:	1:5,000 - 1:20,000
IF:	20 µg/mL
WB:	.5-2 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

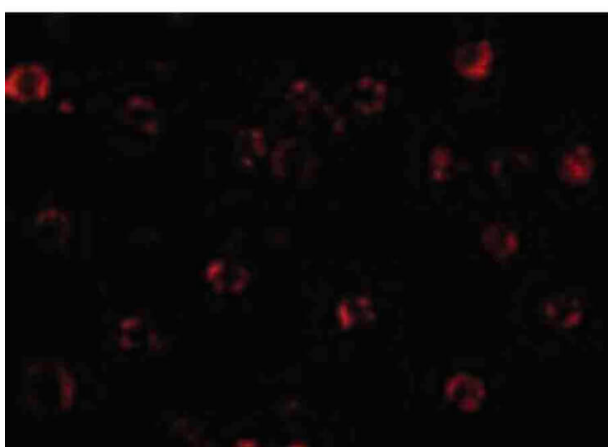
Shipping & Handling

Shipping Condition:	Dry Ice
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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.

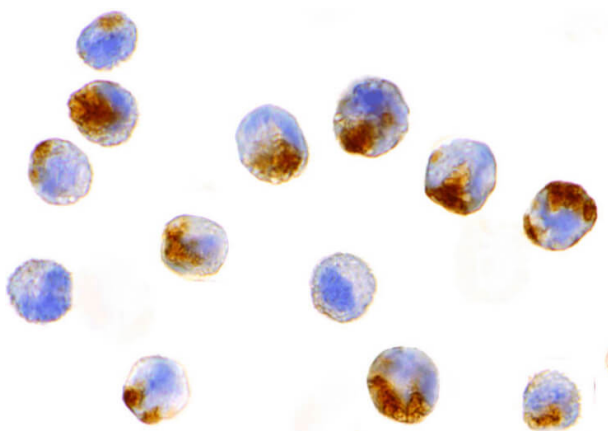
Expiration: Expiration date is one (1) year from date of receipt.

Images



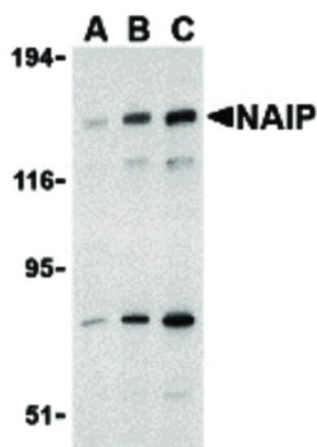
Immunofluorescence Microscopy

Immunofluorescence Microscopy of NAIP antibody. Cell Type: A549 cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: NAIP 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: NAIP is located in the basolateral plasma membrane, cytoplasm, extracellular exosome, and nucleus. Staining: NAIP as red fluorescent signal.



Immunohistochemistry

Immunocytochemistry of NAIP antibody. Tissue: A549 cells. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NAIP antibody at 10 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NAIP is located in the basolateral plasma membrane, cytoplasm, extracellular exosome, and nucleus. Staining: NAIP is stained brown with hematoxylin purple counterstain.



Western Blot

Western Blot of NAIP antibody in PC-3 cell lysate. Lane A: NAIP antibody at 0.5 $\mu\text{g/mL}$. Lane B: NAIP antibody at 1 $\mu\text{g/mL}$. Lane C: NAIP antibody at 2 $\mu\text{g/mL}$. Load: 35 μg per lane. Primary antibody: NAIP antibody at designated concentrations for overnight at 4°C. 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: 160 kDa, 140 kDa for NAIP. Other band(s): NAIP 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.