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Datasheet for 600-401-DC0

NIPSNAP3B Antibody

Overview

Description:	Anti-NIPSNAP3B (RABBIT) Antibody - 600-401-DC0
Item No.:	600-401-DC0
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The NIPSNAP proteins comprise a family of evolutionarily well-conserved proteins with strong sequence similarity to the central portion of a protein encoded by C. elegans chromosome III between a 4-nitrophenylphosphatase (NIP) domain and non-neuronal SNAP25-like protein. NIPSNAP2, a novel gene encoding a protein with tyrosine phosphorylation sites and a transmembrane domain, is co-amplified with EGFR in approximately 40% of glioblastomas, the most common and malignant form of central nervous system tumors. While NIPSNAP3B is highly expressed skeletal muscle, NIPSNAP3A mRNA levels are low. NIPSNAP proteins have been suggested to be important in vesicular transport.
Synonyms:	NIPSNAP3B Antibody, NIPSNAP3, NIPSNAP3, Protein NipSnap homolog 3B, SNAP1, NipSnap3B
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NIPSNAP3B
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NIPSNAP3B antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the internal region of human NIPSNAP3B.

Purity/Specificity:	Anti-NIPSNAP3B Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. NIPSNAP3B antibody is predicted to not cross-react with any other members of the NIPSNAP protein family.
Relevant Links:	• UniProtKB - Q9BS92 • GeneID - 55335 • NCBI - Q9BS92

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-NIPSNAP3B 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 28 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 - 1:20,000
IF:	5 µg/mL
IHC:	2.5 µg/mL
WB:	1-2 µg/mL

Formulation

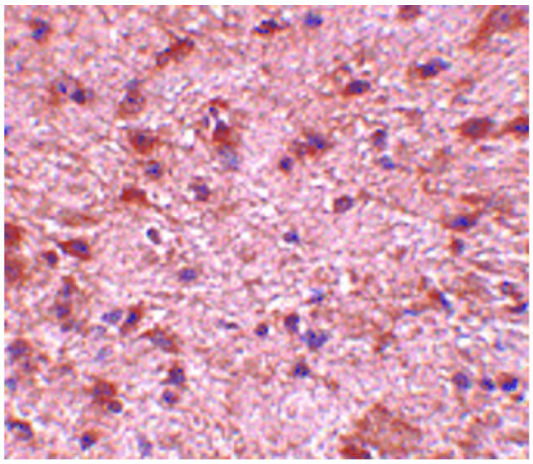
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

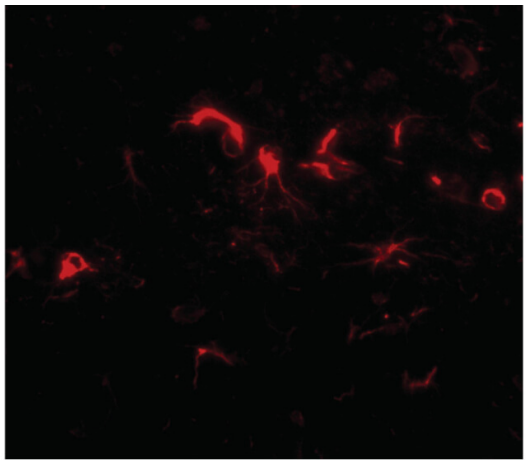
Shipping Condition:	Dry Ice

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.

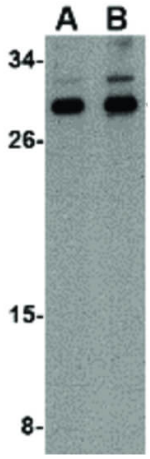
Images



Immunohistochemistry
Immunohistochemistry of NIPSNAP3B antibody. Tissue: Mouse brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NIPSNAP3B antibody at 2.5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NIPSNAP3B is nuclear and occasionally cytoplasmic. Staining: NIPSNAP3B as a precipitated red signal with hematoxylin purple nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of NIPSNAP3B antibody. Tissue: Mouse brain tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: NIPSNAP3B antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Staining: NIPSNAP3B as a red fluorescent signal.



Western Blot

Western Blot of NIPSNAP3B antibody. Lane A: Mouse brain tissue lysate at 1 µg/mL. Lane B: Mouse brain tissue lysate at 2 µg/mL. Load: 35 µg per lane. 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: 28.3 kDa, ~29 kDa for NIPSNAP3B.

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.