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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-DB9

NIPSNAP3A Antibody

Overview

Description:	Anti-NIPSNAP3A (RABBIT) Antibody - 600-401-DB9
Item No.:	600-401-DB9
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. NIPSNAP3A protein is associated with plasma membrane and partially localized in rafts. NIPSNAP proteins have been suggested to be important in vesicular transport.
Synonyms:	NIPSNAP3A Antibody, TASSC, HSPC299, NIPSNAP4, Protein NipSnap homolog 3A, Protein NipSnap homolog 4, NipSnap3A
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NIPSNAP3A
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-NIPSNAP3A antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the internal region of human NIPSNAP3A.
Purity/Specificity:	Anti-NIPSNAP3A Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of NIPSNAP3A are known to exist. NIPSNAP3A antibody is predicted to not cross-react with any other members of the NIPSNAP protein family.
Relevant Links:	• UniProtKB - Q9UFN0 • GeneID - 25934 • NCBI - NP_056284

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-NIPSNAP3A 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:	1:5,000 - 1:10,000
IF:	20 µg/mL
IHC:	2.5 µg/mL
WB:	.5-1 µg/mL

Formulation

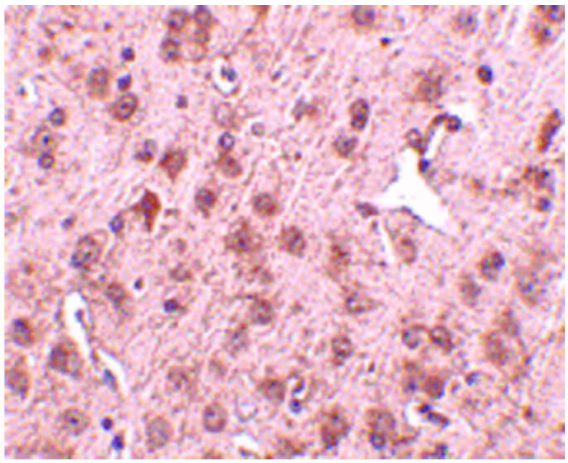
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

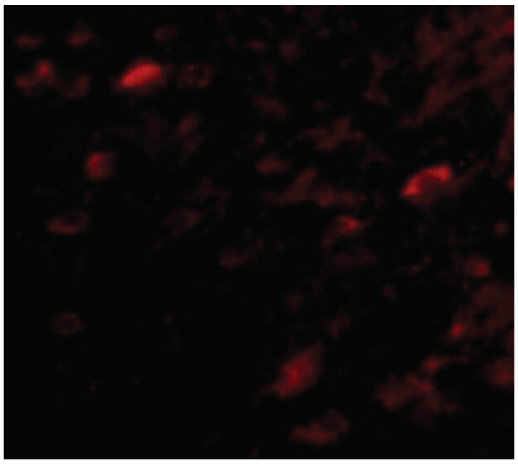
Shipping Condition:	Dry Ice

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.

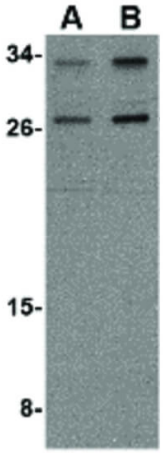
Images



Immunohistochemistry
Immunohistochemistry of NIPSNAP3A antibody. Tissue: Mouse brain tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NIPSNAP3A 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: NIPSNAP3A is nuclear and occasionally cytoplasmic. Staining: NIPSNAP3A as precipitated red signal.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of NIPSNAP3A antibody. Tissue: Mouse Brain cells. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: NIPSNAP3A 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: NIPSNAP3A as a red fluorescent signal.



Western Blot

Western Blot of NIPSNAP3A antibody. Lane A: Mouse brain tisue lysate at 0.5 µg/mL. Lane B: Mouse brain tisue lysate at 1 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: 28.4 kDa, ~28 & 33 kDa for NIPSNAP3A.

Disclaimer

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