

Datasheet for 600-401-DB8**NIPSNAP2 Antibody****Overview**

Description:	Anti-NIPSNAP2 (RABBIT) Antibody - 600-401-DB8
Item No.:	600-401-DB8
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse, Rat
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. It is widely expressed and most abundant in heart and skeletal muscle. NIPSNAP proteins have been suggested to be important in vesicular transport. NIPSNAP2 antibody is predicted to not cross-react with any other members of the NIPSNAP protein family.
Synonyms:	NIPSNAP2 Antibody, Protein NipSnap homolog 2, Glioblastoma-amplified sequence, GBAS
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	NIPSNAP2
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-NIPSNAP2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the internal region of human NIPSNAP2.
Purity/Specificity:	Anti-NIPSNAP2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with NIPSNAP2 from other sources has not been determined.
Relevant Links:	• UniProtKB - O75323 • GeneID - 2631 • NCBI - O75323

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-NIPSNAP2 Antibody has been tested for use in ELISA, Western Blotting, and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 34 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
IHC:	2.5 µg/mL
WB:	1-2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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

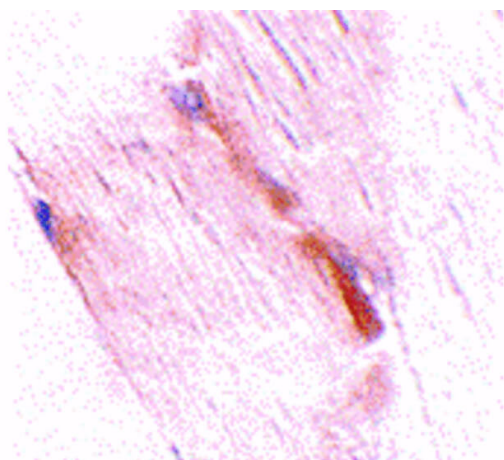
Shipping & Handling

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.

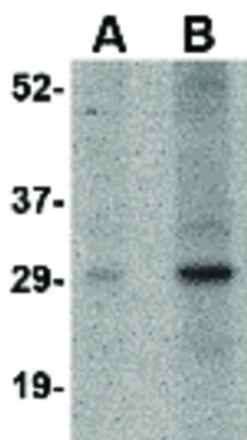
Expiration: Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry

Immunohistochemistry of NIPSNAP2 antibody. Tissue: Mouse skeletal muscle tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NIPSNAP2 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: NIPSNAP2 is nuclear and occasionally cytoplasmic. Staining: NIPSNAP2 as a precipitated red signal with hematoxylin purple nuclear counterstain.



Western Blot

Western Blot of NIPSNAP2 antibody. Lane A: Human skeletal muscle tissue at 1 µg/mL. Lane B: Human skeletal muscle tissue 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: 33.7 kDa, ~29 kDa for NIPSNAP2.

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.