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Datasheet for 600-401-DB7

# NIPSNAP2 Antibody

## Overview

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| **Description:** | Anti-NIPSNAP2 (RABBIT) Antibody - 600-401-DB7 |
| **Item No.:** | 600-401-DB7 |
| **Size:** | 100 µg |
| **Applications:** | ELISA, IHC, WB |
| **Reactivity:** | Human, Mouse, Rat |
| **Host Species:** | Rabbit |

## Product Details

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| **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

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| **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 N-terminus of human NIPSNAP2. |

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| **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<br>• GeneID - 2631<br>• NCBI - O75323 |

## Application Details

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| **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:** | 1:5000 - 1:10000 |
| **IHC:** | 2.5 µg/mL |
| **WB:** | 0.5 and 1 µg/mL |

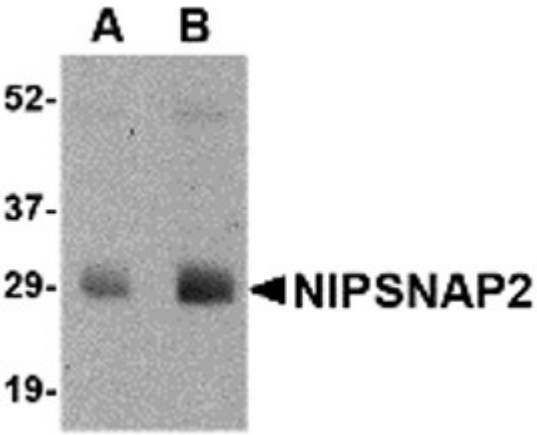
## Formulation

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| **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 |

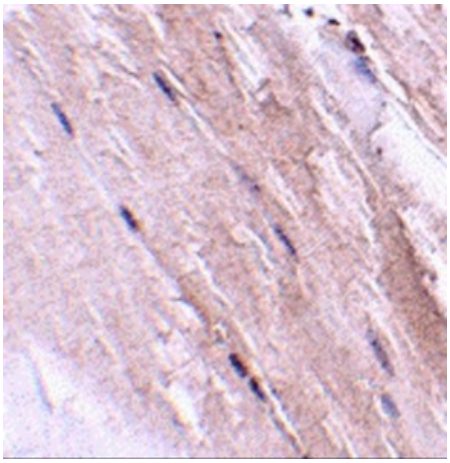
## Shipping & Handling

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| **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 analysis of NIPSNAP2 in human skeletal muscle tissue lysate with NIPSNAP2 antibody at (A) 0.5 and (B) 1 µg/mL.



**Immunohistochemistry**
Immunohistochemistry of NIPSNAP2 in mouse skeletal muscle tissue with NIPSNAP2 antibody at 2.5µg/mL.

## Disclaimer

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