

Datasheet for ABIN500349
anti-NIPSNAP1 antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	NIPSNAP1
Binding Specificity:	C-Term
Reactivity:	Mouse, Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	NIPSNAP antibody was raised against a 18 amino acid peptide from near the carboxy terminus of human NIPSNAP.
Isotype:	IgG
Specificity:	This antibody detects NipSnap1 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography

Target Details

Target:	NIPSNAP1
Alternative Name:	NipSnap1 (NIPSNAP1 Products)

Target Details

Background: NIPSNAP is a member of an evolutionarily well conserved gene family and has a 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. Recent studies have indicated that NIPSNAP is involved in the regulation of the Ca²⁺-selective transient receptor potential vanilloid channel 6 (TRPV6). NIPSNAP1 associates with TRPV6 at the plasma membrane and inhibits TRPV6 currents. Other studies show that NIPSNAP's expression is reduced in the phenylketonuria (PKU) mouse brain, suggesting that NIPSNAP may play a role in memory. Synonyms: Protein NipSnap homolog 1

Gene ID: 8508

NCBI Accession: [NP_003625](#)

UniProt: [Q9BPW8](#)

Application Details

Application Notes: ELISA. Western blot. Immunohistochemistry on paraffins sections.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Buffer: PBS containing 0.02 % sodium azide

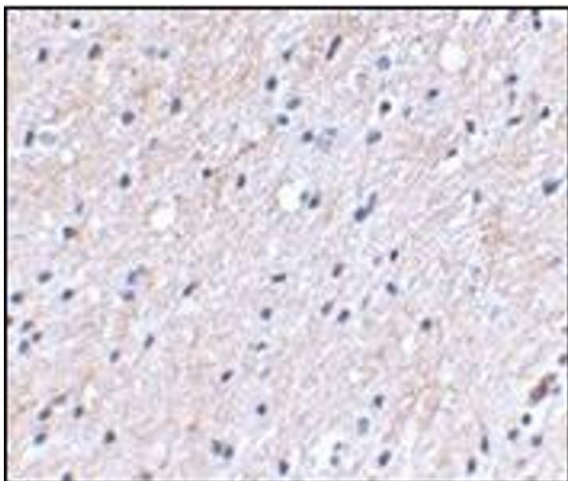
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

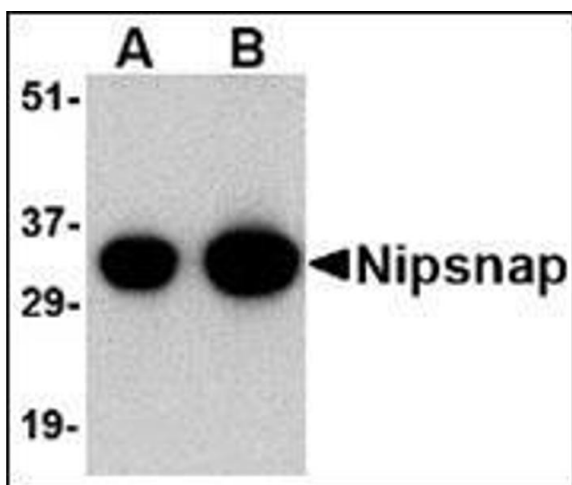
Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemical staining of human brain tissue using AP30596PU-N at 2.5 µg/ml.



Western Blotting

Image 2. Western blot analysis of NIPSNAP in human brain tissue lysate with this product at (A) 0.5 and (B) 1 µg/ml.