BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NIPSNAP NIPSNAP1 Antibody

Catalog Number: A13234

About NIPSNAP1

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.

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Overview

Product Name	Anti-NIPSNAP NIPSNAP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NIPSNAP NIPSNAP1 Antibody (Catalog # A13234). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	NIPSNAP Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	NIPSNAP antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9BPW8

Technical Details

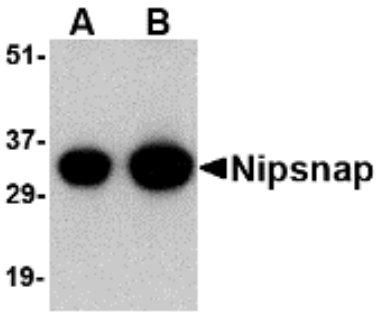
Immunogen	NIPSNAP antibody was raised against a 18 amino acid synthetic peptide from near the carboxy terminus of human NIPSNAP. The immunogen is located within the last 50 amino acids of NIPSNAP.
Predicted Reactive Species	Bovine
Isotype	IgG

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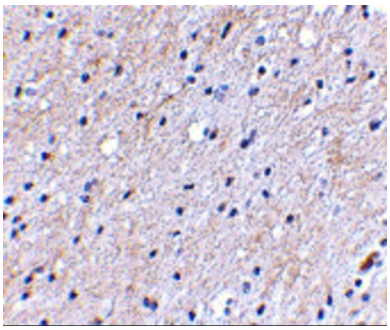
Form	Liquid
Concentration	1 mg/mL
Purification	NIPSNAP Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	NIPSNAP antibody can be used for the detection of NIPSNAP by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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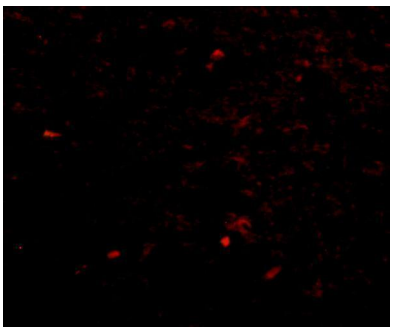
Anti-NIPSNAP NIPSNAP1 Antibody (A13234) Images



Western blot analysis of NIPSNAP in human brain tissue lysate with NIPSNAP antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemical staining of human brain tissue using Nipsnap antibody at 2.5 ug/mL.



Immunofluorescence of NIPSNAP in Human Brain cells with NIPSNAP antibody at 20 ug/mL.

Anti-NIPSNAP NIPSNAP1 Antibody

For Research Use Only. Not for use in diagnostic procedures.