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NIPSNAP3B Antibody

Catalog # ASC10821

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9BS92
Other Accession	Q9BS92, 17380145
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	28313
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	NIPSNAP3B antibody can be used for detection of NIPSNAP3B by Western blot at 1 - 2 g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 g/mL. For immunofluorescence start at 5 g/mL.

Additional Information

Gene ID	55335
Other Names	Protein NipSnap homolog 3B, NipSnap3B, SNAP1, NIPSNAP3B, NIPSNAP3
Target/Specificity	NIPSNAP3B; NIPSNAP3B antibody is predicted to not cross-react with any other members of the NIPSNAP protein family.
Reconstitution & Storage	NIPSNAP3B antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Precautions	NIPSNAP3B Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NIPSNAP3B
Synonyms	NIPSNAP3

Background

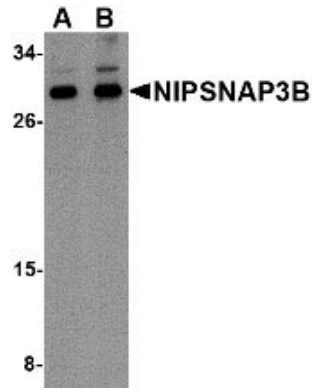
NIPSNAP3B Antibody: The NIPSNAP proteins comprise a family of evolutionarily well-conserved proteins with strong sequence similarity to the central portion of a protein encoded by C. elegans chromosome III between a 4-nitrophenylphosphatase (NIP) domain and non-neuronal SNAP25-like protein. NIPSNAP2, 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. NIPSNAP proteins have been suggested to be important in vesicular transport.

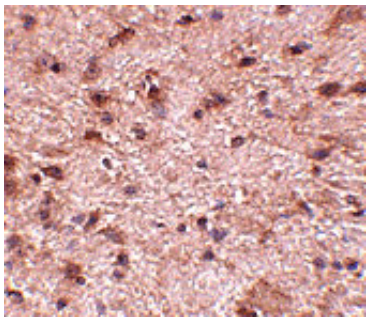
References

Seroussi E, Pan HQ, Kedra D, et al. Characterization of the human NIPSNAP1 gene from 22q12: a member of a novel gene family. Gene1998; 212:13-20.
Wang X-Y, Smith DI, Liu W, et al. GBAS, a novel gene encoding a protein with tyrosine phosphorylation sites and a transmembrane domain, is co-amplified with EGFR. Genomics1998; 49:448-51.
Buechler C, Bodzioch M, Bared SM, et al. Expression pattern and raft association of NIPSNAP3 and NIPSNAP4, highly homologous proteins encoded by genes in close proximity to the ATP-binding cassette transporter A1. Genomics2004; 83:1116-24.

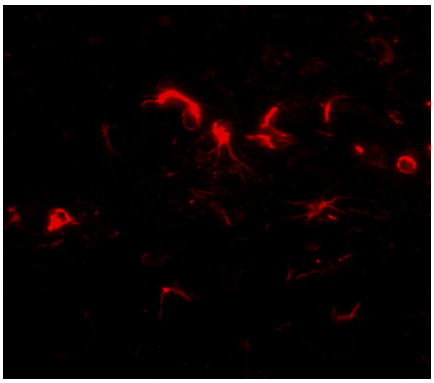
Images



Western blot analysis of NIPSNAP3B in mouse brain tissue lysate with NIPSNAP3B antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of NIPSNAP3B in mouse brain tissue with NIPSNAP3B antibody at 2.5 µg/mL.



Immunofluorescence of NIPSNAP3B in mouse brain tissue with NIPSNAP3B antibody at 5 µg/mL.