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NIPSNAP3A Antibody

Catalog # ASC10816

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q9UFN0
Other Accession	NP_056284, 22267436
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	28467
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	NIPSNAP3A antibody can be used for detection of NIPSNAP3A by Western blot at 0.5 - 1 □g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 □g/mL. For immunofluorescence start at 20 □g/mL.

Additional Information

Gene ID	25934
Other Names	Protein NipSnap homolog 3A, NipSnap3A, Protein NipSnap homolog 4, NipSnap4, Target for Salmonella secreted protein C, TassC, NIPSNAP3A, NIPSNAP4
Target/Specificity	NIPSNAP3A; At least two isoforms of NIPSNAP3A are known to exist. NIPSNAP3A antibody is predicted to not cross-react with any other members of the NIPSNAP protein family.
Reconstitution & Storage	NIPSNAP3A 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	NIPSNAP3A Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	NIPSNAP3A
Synonyms	NIPSNAP4
Cellular Location	Cytoplasm, cytosol. Note=May be part of some vesicular structure distinct from lysosomal vesicles
Tissue Location	Ubiquitous. Highly expressed in liver, kidney and muscle. Expressed at

intermediate level in brain, heart, colon, thymus, kidney, small intestine, placenta, lung, leukocytes and spleen

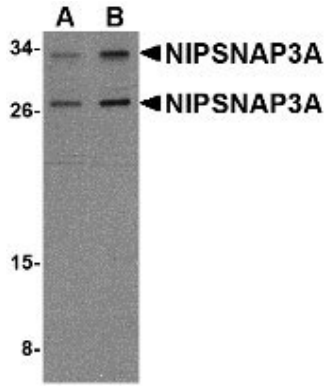
Background

NIPSNAP3A 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. NIPSNAP3A protein is associated with plasma membrane and partially localized in rafts. NIPSNAP proteins have been suggested to be important in vesicular transport.

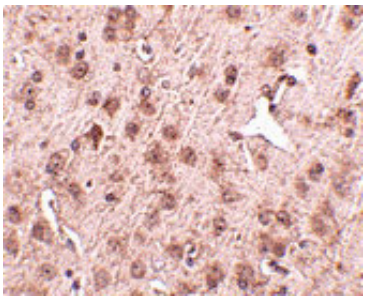
References

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

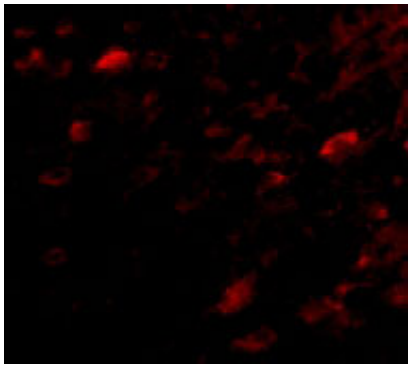


Western blot analysis of NIPSNAP3A in mouse brain tissue lysate with NIPSNAP3A antibody at (A) 0.5 and (B) 1 µg/mL.



Immunohistochemistry of NIPSNAP3A in mouse brain tissue with NIPSNAP3A antibody at 2.5 µg/mL.

Immunofluorescence of NIPSNAP3A in Mouse Brain cells with NIPSNAP3A antibody at 5 µg/mL.



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