
Product Name: KD-Validated NIPSNAP2 Mouse Monoclonal Antibody**Catalog #: KVA00282**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:400-1:2,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 33.7kDa

Antigen Information

Gene Name	NIPSNAP2 NIPSNAP2; Nipsnap Homolog 2; GBAS; Glioblastoma Amplified Sequence; Protein NipSnap
Alternative Names	Homolog 2; 4-Nitrophenylphosphatase Domain And Non-Neuronal SNAP25-Like 2; Glioblastoma-Amplified Sequence ; NipSnap2
Gene ID	2631.0
SwissProt ID	O75323
Immunogen	Recombinant protein of human GBAS

Background

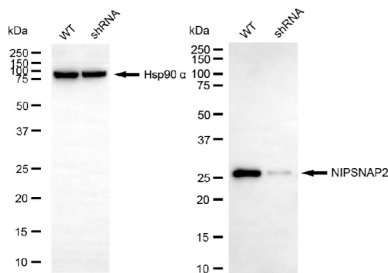
This gene encodes a member of the NipSnap family of proteins that may be involved in vesicular transport. The encoded protein is localized to mitochondria and plays a role in oxidative phosphorylation. A pseudogene of this gene is located on the

long arm of chromosome 2. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2011]

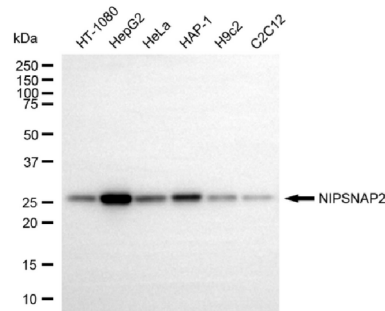
Research Area

Signal Transduction

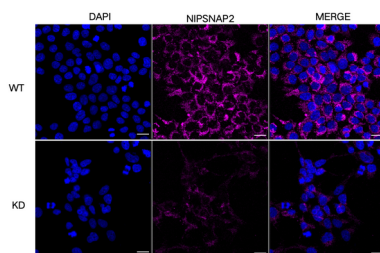
Image Data



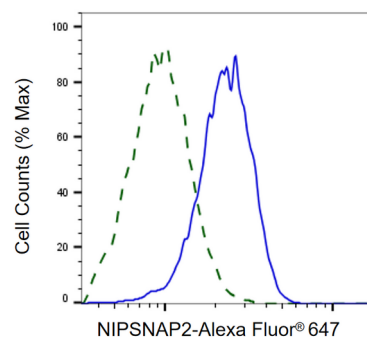
Western blotting analysis using NIPSNAP2 antibody (KVA00282). NIPSNAP2 expression in wild-type (WT) and NIPSNAP2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with NIPSNAP2 antibody (KVA00282, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



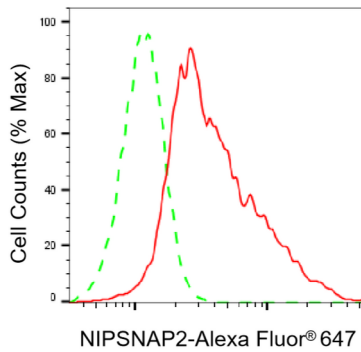
Western blotting analysis using NIPSNAP2 antibody (KVA00282). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with NIPSNAP2 antibody (KVA00282, 1:2,000) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using NIPSNAP2 antibody (KVA00282, 1:1,000). Top panel: wild-type (WT); Bottom panel: NIPSNAP2 shRNA knockdown (KD). Nuclei were stained blue with DAPI; NIPSNAP2 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Validation of NIPSNAP2 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with NIPSNAP2 antibody (KVA00282, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of NIPSNAP2 expression in HepG2 cells using NIPSNAP2 antibody (KVA00282, 1:2,000). Green, isotype control; red, NIPSNAP2.