

NIPSNAP1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP57454

Specification

NIPSNAP1 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q9BPW8</u>

Reactivity
Host
Rat, Pig, Dog, Bovine
Rabbit

Clonality Polyclonal
Calculated MW 33 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human NIPSNAP1

Epitope Specificity 201-284/284

Isotype IgG
Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Mitochondrial

Important Note

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Background Descriptions

This gene encodes a member of the NipSnap family of proteins that may be involved in vesicular transport. A similar protein in mice inhibits the calcium channel TRPV6, and is also localized to the inner mitochondrial membrane where it may play a role in mitochondrial DNA maintenance. A pseudogene of this gene is located on the short arm of chromosome 17. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Feb 2011]

NIPSNAP1 Polyclonal Antibody - Additional Information

Gene ID 8508

Other Names

Protein NipSnap homolog 1, NipSnap1, NIPSNAP1

Dilution

WB~~1:1000<br \><span class</pre>

="dilution IHC-P">IHC-P~~N/A<br \><span class

="dilution_IHC-F">IHC-F~~N/A<br \><span class

="dilution_IF">IF \sim 1:50 \sim 200<br \>ICC \sim N/A<br \>E \sim N/A

Storage



Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

NIPSNAP1 Polyclonal Antibody - Protein Information

Name NIPSNAP1 {ECO:0000303|PubMed:30982665, ECO:0000312|HGNC:HGNC:7827}

Function

Protein involved in mitophagy by facilitating recruitment of the autophagy machinery required for clearance of damaged mitochondria (PubMed:30982665). Accumulates on the mitochondria surface in response to mitochondrial depolarization and acts as a 'eat me' signal by recruiting proteins involved in selective autophagy, such as autophagy receptors (CALCOCO2/NDP52, NBR1, SQSTM1/p62, TAX1BP1 and WDFY3/ALFY) and ATG8 family proteins (MAP1LC3A, MAP1LC3B, MAP1LC3C, GABARAP, GABARAPL1 and GABARAPL2) (PubMed:30982665).

Cellular Location

Mitochondrion matrix

Tissue Location

Ubiquitous (PubMed:9661659). Highest expression in liver (PubMed:9661659).

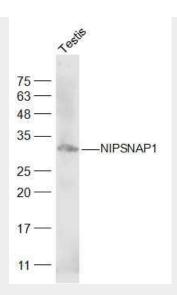
NIPSNAP1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NIPSNAP1 Polyclonal Antibody - Images





Sample:

Testis (Mouse) Lysate at 40 ug

Primary: Anti-NIPSNAP1 (bs-19252R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 33 kD Observed band size: 33 kD