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# NIPSNAP1 Rabbit pAb

NIPSNAP1 Rabbit pAb
Catalog # AP57454

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q9BPW8 |
| **Reactivity** | Mouse |
| **Predicted** | Human, Rat, Dog, Pig, Horse, Rabbit, Sheep |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 33310 |
| **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] |

## Additional Information

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|---|---|
| **Gene ID** | 8508 |
| **Other Names** | Protein NipSnap homolog 1, NipSnap1, NIPSNAP1 {ECO:0000303\|PubMed:30982665, ECO:0000312\|HGNC:HGNC:7827} |
| **Dilution** | WB=1:500-2000 |
| **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. |

## Protein Information

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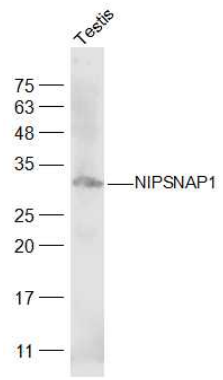
|---|---|
| **Name** | NIPSNAP1 {ECO:0000303\|PubMed:30982665, ECO:0000312\|HGNC:HGNC:7827} |
| **Function** | Protein involved in mitophagy by facilitating recruitment of the autophagy machinery required for clearance of damaged mitochondria (PubMed:30982665). Accumulates on the mitochondria surface 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). |

## Background

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]

## Images




Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti-NIPSNAP1 (AP57454) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 33 kD
Observed band size: 33 kD