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NIPSNAP1 Rabbit pAb

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Catalog # AP57454

Product Information

Application	WB
Primary Accession	Q9BPW8
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit, Horse, 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

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.

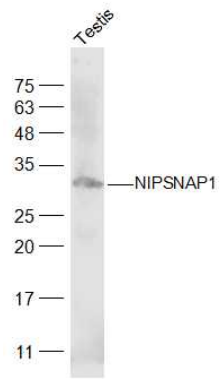
Protein Information

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

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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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.