

SPNS1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58587**Specification**

SPNS1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H2V7
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56630

SPNS1 Polyclonal Antibody - Additional Information**Gene ID** 83985**Other Names**

Protein spinster homolog 1, HSpin1, Spinster-like protein 1, SPNS1, SPIN1

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

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.

SPNS1 Polyclonal Antibody - Protein Information**Name** SPNS1**Synonyms** SPIN1**Function**

Plays a critical role in the phospholipid salvage pathway from lysosomes to the cytosol (PubMed:36161949, PubMed:37075117). Mediates the rate-limiting, proton-dependent, lysosomal efflux of lysophospholipids, which can then be reacylated by acyltransferases in the endoplasmic reticulum to form phospholipids (PubMed:36161949, PubMed:37075117). Selective for zwitterionic headgroups such as lysophosphatidylcholine (LPC) and lysophosphatidylethanolamine (LPE), can also transport lysophosphatidylglycerol (LPG), but not other anionic lysophospholipids, sphingosine, nor sphingomyelin (PubMed:36161949). Transports lysophospholipids with saturated, monounsaturated, and polyunsaturated fatty acids, such as 1-hexadecanoyl-sn-glycero-3-phosphocholine, 1-(9Z-octadecenoyl)-sn-glycero-3-phosphocholine and 1-(4Z,7Z,10Z,13Z,16Z,19Z-docosahexaenoyl)-sn-glycero-3-phosphocholine, respectively

(PubMed:36161949, PubMed:37075117). Can also transport lysoplasmalogen (LPC with a fatty alcohol) such as 1-(1Z-hexadecenyl)-sn-glycero-3-phosphocholine (PubMed:36161949). Lysosomal LPC could function as intracellular signaling messenger (PubMed:37075117). Essential player in lysosomal homeostasis (PubMed:36161949). Crucial for cell survival under conditions of nutrient limitation (PubMed:37075117). May be involved in necrotic or autophagic cell death (PubMed:12815463).

Cellular Location

Lysosome membrane; Multi-pass membrane protein Mitochondrion inner membrane; Multi-pass membrane protein. Note=Occasionally localizes to mitochondria.

SPNS1 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 Cytometry](#)
- [Cell Culture](#)

SPNS1 Polyclonal Antibody - Images