

SNAPIN Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54471

Specification

SNAPIN Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	095295
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14874

SNAPIN Polyclonal Antibody - Additional Information

Gene ID 23557

Other Names

SNARE-associated protein Snapin, Biogenesis of lysosome-related organelles complex 1 subunit 7, BLOC-1 subunit 7, Synaptosomal-associated protein 25-binding protein, SNAP-associated protein, SNAPIN, BLOC1S7, SNAP25BP, SNAPAP

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~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.

SNAPIN Polyclonal Antibody - Protein Information

Name SNAPIN

Synonyms BLOC1S7, SNAP25BP, SNAPAP

Function

Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and melanosomes. In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension. Plays a role in intracellular vesicle trafficking and synaptic vesicle recycling. May modulate a step between vesicle priming, fusion and calcium-dependent neurotransmitter release through its ability to potentiate the interaction of synaptotagmin with the SNAREs and the plasma-membrane-associated protein SNAP25. Its phosphorylation state influences exocytotic

protein interactions and may regulate synaptic vesicle exocytosis. May also have a role in the mechanisms of SNARE- mediated membrane fusion in non-neuronal cells (PubMed:17182842, PubMed:18167355). As part of the BORC complex may play a role in lysosomes movement and localization at the cell periphery. Associated with the cytosolic face of lysosomes, the BORC complex may recruit ARL8B and couple lysosomes to microtubule plus-end-directed kinesin motor (PubMed:25898167).

Cellular Location

Membrane {ECO:0000250|UniProtKB:Q9Z266}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9Z266}; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Z266}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9Z266}. Cytoplasm, perinuclear region. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q9Z266}. Lysosome membrane. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane Note=Colocalizes with NANOS1 and PUM2 in the perinuclear region of germ cells.

Tissue Location

Expressed in male germ cells of adult testis (at protein level).

SNAPIN 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](#)

SNAPIN Polyclonal Antibody - Images