

SNAPIN Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54471

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	O95295
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14874

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=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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	SNAPN
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).

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