

Anti-SNAPIN Antibody (clone 3H1)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17711

Product Information

Application	WB, IHC-P, E
Primary Accession	O95295
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Names	3H1
Calculated MW	14874
Concentration (mg/ml)	0.21 mg/ml

Additional Information

Gene ID	23557
Alias Symbol	SNAPIN
Other Names	SNAPIN, BLOC1S7, SNAP-associated protein, SNAP-25-binding protein, SNAP25BP, SNAPAP
Target/Specificity	Human SNAPIN
Reconstitution & Storage	Protein A purified
Precautions	Anti-SNAPIN Antibody (clone 3H1) is for research use only and not for use in diagnostic or therapeutic procedures.

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).

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