

Anti-SNAPIN Antibody (clone 3H1)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17711**Specification**

Anti-SNAPIN Antibody (clone 3H1) - Product Information

Application	WB, IHC-P, E
Primary Accession	O95295
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Calculated MW	14874

Anti-SNAPIN Antibody (clone 3H1) - 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.

Anti-SNAPIN Antibody (clone 3H1) - 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).

Anti-SNAPIN Antibody (clone 3H1) - 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](#)

Anti-SNAPIN Antibody (clone 3H1) - Images