SNAPAP Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SNAPAP, Monoclonal Antibody
Full Product Name	SNAPAP (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, BLOC1S7, SNAP25BP, SNAPIN) (MaxLight 490)
Product Gene Name	anti-SNAPAP antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3H1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human SNAPAP.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	607007
3D Structure	ModBase 3D Structure for O95295
Immunogen	Partial recombinant corresponding to aa41-137 from SNAPAP (NP_036569) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	DSHVHAVRESQVELREQIDNLATELCRINEDQKVALDLDPYVKKLLNARRRVVLVNNILQNAQERLRRLNHSVAKETARRRAMLDSGIYPPGSPGK*
Conjugate	MaxLight490
Product Categories/Family for anti-SNAPAP antibody	Antibodies; Neuroscience
Applications Tested/Suitable for anti-SNAPAP antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Western Blot (WB)
Application Notes for anti-SNAPAP antibody	IHC-P: 3ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-SNAPAP antibody	MBS6203426 is an antibody targeting SNAPAP. Also known as SNAPAP (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, BLOC1S7, SNAP25BP, SNAPIN) (MaxLight 490). Reactive in Human. Host: Mouse.

Other Notes	Small volumes of anti-SNAPAP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNAPAP. It may not necessarily be applicable to this product.

NCBI GI #	1653961118
NCBI GeneID	23557
NCBI Accession #	NM_012437.6
UniProt Primary Accession #	O95295
UniProt Related Accession #	O95295
GenBank Nucleotide #	NM_012437
NCBI Official Full Name	Homo sapiens SNAP associated protein (SNAPIN), transcript variant 1, mRNA
NCBI Official Synonym Full Names	SNAP associated protein
NCBI Official Symbol	SNAPIN
NCBI Official Synonym Symbols	BLOS7; BORCS3; SNAPAP; BLOC1S7
UniProt Protein Name	SNARE-associated protein Snapin
UniProt Synonym Protein Names	Biogenesis of lysosome-related organelles complex 1 subunit 7; BLOC-1 subunit 7; Synaptosomal-associated protein 25-binding protein; SNAP-associated protein
UniProt Gene Name	SNAPIN
UniProt Synonym Gene Names	BLOC1S7; SNAP25BP; SNAPAP; BLOC-1 subunit 7; SNAP-associated protein
UniProt Entry Name	SNAPN_HUMAN
NCBI Protein Information	SNARE-associated protein Snapin
NCBI Summary for SNAPAP	The protein encoded by this gene is a coiled-coil-forming protein that associates with the SNARE (soluble N-ethylmaleimide-sensitive fusion protein attachment protein receptor) complex of proteins and the BLOC-1 (biogenesis of lysosome-related organelles) complex. Biochemical studies have identified additional binding partners. As part of the SNARE complex, it is required for vesicle docking and fusion and regulates neurotransmitter release. The BLOC-1 complex is required for the biogenesis of specialized organelles such as melanosomes and platelet dense granules. Mutations in gene products that form the BLOC-1 complex have been identified in mouse strains that are models of Hermansky-Pudlak syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

UniProt Comments for SNAPAP	SNAPIN: a component of the SNARE complex of proteins that is required for synaptic vesicle docking and fusion. May modulate a step between vesicle priming, fusion and calcium-dependent neurotransmitter release by potentiating the interaction of synaptotagmins 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. Phosphorylation by PKA modulates its interaction with the SNARE complex. Protein type: Vesicle Chromosomal Location of Human Ortholog: 1q21.3 Cellular Component: Golgi membrane; Golgi apparatus; synaptic vesicle; transport vesicle; cytoplasmic vesicle membrane; synaptic vesicle membrane; perinuclear region of cytoplasm; nucleolus; synapse; cell junction; secretory granule Molecular Function: SNARE binding; protein binding Biological Process: viral reproduction; synaptic vesicle maturation; neurotransmitter secretion; synaptic vesicle transport; synaptic vesicle fusion to presynaptic membrane; intracellular protein transport; synaptic vesicle exocytosis; melanosome organization and biogenesis; regulation of protein binding; anterograde synaptic vesicle transport; endosome to lysosome transport; anterograde axon cargo transport; neurite development
Research Articles on SNAPAP	**1.** These observations suggest an important role for SNAPIN and autophagy in the homeostasis of macrophages, particularly long-lived tissue resident macrophages.
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