SNAP-25 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SNAP-25, Monoclonal Antibody
Full Product Name	Anti-human SNAP-25, FITC, (clone SP12), (Mouse IgG1)
Product Gene Name	anti-SNAP-25 antibody
Product Synonym Names	SNAP-25, FITC, (clone SP12), (Mouse IgG1); Anti-Human SNAP25 Monoclonal Antibody
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	SP12
Host	Mouse
Species Reactivity	Human
Form/Format	FITC
Concentration	0.1 mg/ml (lot specific)
Specificity	SNAP-25 (This antibody is specific for human SNAP25 (A and B isoforms). It is not effective against protein raised in bacterial expression systems [also reacts with Mouse, Rat, Cat, and Pig].)
Preparation and Storage	Store at +4 degree C. For long term storage, aliquot and freeze unused portion at -20 degree C in volumes appropriate for single use. Avoid freeze thaw cycles.
Chromosome Location	chromosome: Un
Immunocyte Donor	Mouse monoclonal antibodies raised against synaptic preparation of post mortem human brain.
Presentation	Biotin/FITC conjugated IgG buffered in PBS, 0.02% NaN3 and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/mL.
Applications Tested/Suitable for anti-SNAP-25 antibody	Immunohistochemistry (IHC)
Application Notes for anti-SNAP-25 antibody	This antibody is suitable for use in Western Blot, ELISA, ICC/IF and Flow Cytometry
Related Product Information for anti-SNAP-25 antibody	Synaptosomal-associated protein 25 (SNAP25) is a membrane bound protein localized to the cytosolic face of the pre-synaptic membrane. SNAP25 is one component of the SNARE core complex which also includes Syntaxin-1 and Synaptobrevin 2. Through interactions with these proteins and Synaptotagmin, SNAP25 regulates vesicle docking and fusion and subsequently neurotransmitter release. SNAP25 exists as two alternatively spliced isoforms, SNAP25A and SNAP25B, that are differentially expressed in neurons and neuroendocrine cells. Recent studies have shown that some mutations in SNAP25 may predispose humans to attention deficit hyperactivity disorder (ADHD). These findings are consistent with the fact that SNAP25 reduces Ca2+ responsiveness at glutamatergic synapses.
Other Notes	Small volumes of anti-SNAP-25 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.
Searchable Terms for SNAP-25 purchase	MBS520498 is an antibody targeting SNAP-25. Also known as Anti-human SNAP-25, FITC, (clone SP12), (Mouse IgG1). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNAP-25. It may not necessarily be applicable to this product.

NCBI GI #	325296753
NCBI GeneID	100533400
NCBI Accession #	NP_001191612.1
GenBank Nucleotide #	NM_001204683.1
NCBI Official Full Name	SNAP-25
NCBI Official Symbol	LOC100533400
Protein Family	SNAP25 homologous protein
NCBI Protein Information	SNAP-25
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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