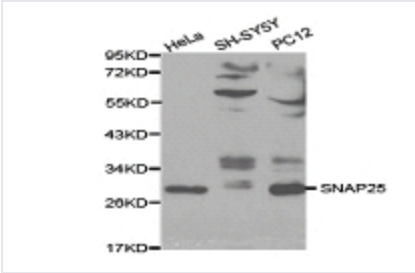
SNAP25 Antibody – Rabbit

PRODUCT OVERVIEW

Product Name	SNAP25, Antibody
Full Product Name	SNAP25 Antibody
Product Gene Name	anti-SNAP25 antibody
Product Synonym Names	SNAP25; FLJ23079; RIC-4; RIC4; SEC9; SNAP; SNAP-25; bA416N4.2; dJ1068F16.2
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity purification
Preparation and Storage	Store at-20 degree C or-80 degree C. Avoid freeze/thaw cycles.
Molecular Weight	25kDa
OMIM	600322
3D Structure	ModBase 3D Structure for P60880
Immunogen	Recombinant protein of human SNAP25
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Product Categories/Family for anti-SNAP25 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SNAP25 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-SNAP25 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-SNAP25 antibody	The 25 kDasynaptosome-associated protein (SNAP25) is a target membrane soluble, N-ethylmaleimide-sensitive factor attachment protein receptor (t-SNARE) that is found on neuronal presynaptic membranes. SNAP25 forms a core complex with the SNARE proteins syntaxin and synaptobrevin to mediate synaptic vesicle fusion with the plasma membrane during Ca2+-dependent exocytosis (1). This complex is responsible for exocytosis of the neurotransmitter gamma-aminobutyric acid (GABA). Neurotransmitter release is inhibited by proteolysis of SNAP25 by botulinum toxins A and E (2). SNAP25 plays a secondary role as a Q-SNARE involved in endosome fusion; the protein is associated with genetic susceptibility to attention-deficit hyperactivity disorder (ADHD) (3).
Product References and Citations for anti-SNAP25 antibody	1. Salaün, C. et al. (2004) BiochimBiophysActa 1693, 81-9. 2. Fan, H.P. et al. (2006) J BiolChem 281, 28174-84. 3. Aikawa, Y. et al. (2006) MolBiol Cell 17, 2113-24.
Other Notes	Small volumes of anti-SNAP25 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 SNAP25 purchase	MBS8506012 is an antibody targeting SNAP25. Also known as SNAP25 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-SNAP25 antibody
Western blot analysis of extracts of variouscelllines, using SNAP25 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNAP25. It may not necessarily be applicable to this product.

NCBI GI #	1018443229
NCBI GeneID	6616
NCBI Accession #	NP_001309831.1
UniProt Primary Accession #	P60880
UniProt Secondary Accession #	P13795; P36974; P70557; P70558; Q53EM2; Q5U0B5; Q8IXK3; Q96FM2; B2RAU4; D3DW16; D3DW17
UniProt Related Accession #	P60880
GenBank Nucleotide #	NM_001322902.1
NCBI Official Full Name	synaptosomal-associated protein 25 isoform SNAP25A
NCBI Official Synonym Full Names	synaptosome associated protein 25
NCBI Official Symbol	SNAP25
NCBI Official Synonym Symbols	SUP; RIC4; SEC9; SNAP; CMS18; RIC-4; SNAP-25; bA416N4.2; dJ1068F16.2
UniProt Protein Name	Synaptosomal-associated protein 25
UniProt Synonym Protein Names	Super protein; SUP; Synaptosomal-associated 25 kDa protein
Protein Family	Synaptosomal-associated protein
UniProt Gene Name	SNAP25
UniProt Synonym Gene Names	SNAP; SNAP-25; SUP
NCBI Protein Information	synaptosomal-associated protein 25
NCBI Summary for SNAP25	Synaptic vesicle membrane docking and fusion is mediated by SNAREs (soluble N-ethylmaleimide-sensitive factor attachment protein receptors) located on the vesicle membrane (v-SNAREs) and the target membrane (t-SNAREs). The assembled v-SNARE/t-SNARE complex consists of a bundle of four helices, one of which is supplied by v-SNARE and the other three by t-SNARE. For t-SNAREs on the plasma membrane, the protein syntaxin supplies one helix and the protein encoded by this gene contributes the other two. Therefore, this gene product is a presynaptic plasma membrane protein involved in the regulation of neurotransmitter release. Two alternative transcript variants encoding different protein isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
UniProt Comments for SNAP25	t-SNARE involved in the molecular regulation of neurotransmitter release. May play an important role in the synaptic function of specific neuronal systems. Associates with proteins involved in vesicle docking and membrane fusion. Regulates plasma membrane recycling through its interaction with CENPF. Modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1 in pancreatic beta cells.
Research Articles on SNAP25	**1.** report some evidence supporting the association of SNAP25 to Attention Deficit/Hyperactivity Disorder

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