

SNAP25 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18126c**Specification**

SNAP25 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P60880](#)**SNAP25 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 6616**Other Names**

Synaptosomal-associated protein 25, SNAP-25, Super protein, SUP, Synaptosomal-associated 25 kDa protein, SNAP25, SNAP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SNAP25 Antibody (Center) Blocking Peptide - Protein Information**Name** SNAP25**Synonyms** SNAP**Function**

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.

Cellular Location

Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:P60879}. Cell membrane {ECO:0000250|UniProtKB:P60881}; Lipid-anchor {ECO:0000250|UniProtKB:P60879}. Synapse, synaptosome {ECO:0000250|UniProtKB:P60879}. Photoreceptor inner segment {ECO:0000250|UniProtKB:P60879}. Note=Membrane association requires palmitoylation. Expressed throughout cytoplasm, concentrating at the perinuclear region. Colocalizes with KCNB1 at the cell membrane (By similarity). Colocalizes with PLCL1 at the cell membrane (By similarity). {ECO:0000250|UniProtKB:P60879, ECO:0000250|UniProtKB:P60881}

Tissue Location

Neurons of the neocortex, hippocampus, piriform cortex, anterior thalamic nuclei, pontine nuclei, and granule cells of the cerebellum

SNAP25 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

SNAP25 Antibody (Center) Blocking Peptide - Images**SNAP25 Antibody (Center) Blocking Peptide - Background**

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.

SNAP25 Antibody (Center) Blocking Peptide - References

Shimada, M., et al. Hum. Genet. 128(4):433-441(2010) Greaves, J., et al. J. Biol. Chem. 285(32):24629-24638(2010) Oner, O., et al. J. Atten Disord (2010) In press : Zhang, H., et al. Eur. J. Paediatr. Neurol. (2010) In press : Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :