

SNAP23 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14590b**Specification**

SNAP23 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [O00161](#)

SNAP23 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 8773

Other Names

Synaptosomal-associated protein 23, SNAP-23, Vesicle-membrane fusion protein SNAP-23, SNAP23

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.

SNAP23 Antibody (C-term) Blocking Peptide - Protein Information

Name SNAP23

Function

Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion.

Cellular Location

Cell membrane; Peripheral membrane protein. Cell membrane; Lipid-anchor. Synapse, synaptosome. Note=Mainly localized to the plasma membrane

Tissue Location

Ubiquitous. Highest levels where found in placenta.

SNAP23 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SNAP23 Antibody (C-term) Blocking Peptide - Images

SNAP23 Antibody (C-term) Blocking Peptide - Background

Specificity of vesicular transport is regulated, in part, by the interaction of a vesicle-associated membrane protein termed synaptobrevin/VAMP with a target compartment membrane protein termed syntaxin. These proteins, together with SNAP25 (synaptosome-associated protein of 25 kDa), form a complex which serves as a binding site for the general membrane fusion machinery. Synaptobrevin/VAMP and syntaxin are believed to be involved in vesicular transport in most, if not all cells, while SNAP25 is present almost exclusively in the brain, suggesting that a ubiquitously expressed homolog of SNAP25 exists to facilitate transport vesicle/target membrane fusion in other tissues. The protein encoded by this gene is structurally and functionally similar to SNAP25 and binds tightly to multiple syntaxins and synaptobrevins/VAMPs. It is an essential component of the high affinity receptor for the general membrane fusion machinery and is an important regulator of transport vesicle docking and fusion. Two alternative transcript variants encoding different protein isoforms have been described for this gene.

SNAP23 Antibody (C-term) Blocking Peptide - References

Greaves, J., et al. J. Biol. Chem. 285(32):24629-24638(2010) Bostrom, P., et al. Diabetes 59(8):1870-1878(2010) Ban, H.J., et al. BMC Genet. 11, 26 (2010) : Kean, M.J., et al. J. Cell. Sci. 122 (PT 22), 4089-4098 (2009) : Gratacos, M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 150B (6), 808-816 (2009) :