

#### SNAP23 Antibody (C-term) Blocking Peptide Synthetic peptide

Catalog # BP14590b

## Specification

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

Primary Accession

### <u>000161</u>

## 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.

<u>Blocking Peptides</u>

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 termedsynaptobrevin/VAMP with a target compartment membrane proteintermed syntaxin. These proteins, together with SNAP25(synaptosome-associated protein of 25 kDa), form a complex whichserves as a binding site for the general membrane fusion machinery.Synaptobrevin/VAMP and syntaxin are believed to be involved invesicular transport in most, if not all cells, while SNAP25 ispresent almost exclusively in the brain, suggesting that aubiquitously expressed homolog of SNAP25 exists to facilitatetransport vesicle/target membrane fusion in other tissues. Theprotein encoded by this gene is structurally and functionallysimilar to SNAP25 and binds tightly to multiple syntaxins andsynaptobrevins/VAMPs. It is an essential component of the highaffinity receptor for the general membrane fusion machinery and isan important regulator of transport vesicle docking and fusion. Twoalternative transcript variants encoding different protein isoformshave 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) :