

SNX14 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13820c**Specification**

SNX14 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [Q9Y5W7](#)**SNX14 Antibody (Center) Blocking peptide - Additional Information**

Gene ID 57231

Other Names

Sorting nexin-14, SNX14

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13820c was selected from the Center region of SNX14. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

SNX14 Antibody (Center) Blocking peptide - Protein Information

Name SNX14

Function

Plays a role in maintaining normal neuronal excitability and synaptic transmission. May be involved in several stages of intracellular trafficking (By similarity). Required for autophagosome clearance, possibly by mediating the fusion of lysosomes with autophagosomes (Probable). Binds phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2), a key component of late endosomes/lysosomes (PubMed:25848753). Does not bind phosphatidylinositol 3-phosphate (PtdIns(3P)) (PubMed:25848753, PubMed:25148684).

Cellular Location

Lysosome membrane; Multi-pass membrane protein. Late endosome membrane; Multi-pass membrane protein. Cell projection, dendrite {ECO:0000250|UniProtKB:Q8BHY8}

Tissue Location

Widely expressed both in fetal and adult tissues.

SNX14 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

SNX14 Antibody (Center) Blocking peptide - Images**SNX14 Antibody (Center) Blocking peptide - Background**

This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. The encoded protein also contains a regulator of G protein signaling (RGS) domain. Regulator of G protein signaling family members are regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. Two transcript variants encoding distinct isoforms have been identified for this gene.

SNX14 Antibody (Center) Blocking peptide - References

Worby, C.A., et al. Nat. Rev. Mol. Cell Biol. 3(12):919-931(2002) Xu, Y., et al. Biochem. J. 360 (PT 3), 513-530 (2001) :Teasdale, R.D., et al. Biochem. J. 358 (PT 1), 7-16 (2001) :Carroll, P., et al. Dev. Dyn. 221(4):431-442(2001)