

**SNX14 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP13820C****Specification**

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**SNX14 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q9Y5W7</a>
Other Accession	<a href="#">Q8BHY8</a> , <a href="#">NP_065201.1</a> , <a href="#">NP_722523.1</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	110182
Antigen Region	580-608

**SNX14 Antibody (Center) - Additional Information****Gene ID** 57231**Other Names**

Sorting nexin-14, SNX14

**Target/Specificity**

This SNX14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 580-608 amino acids from the Central region of human SNX14.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SNX14 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**SNX14 Antibody (Center) - 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)P<sub>2</sub>), 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

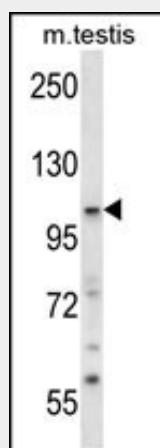
Widely expressed both in fetal and adult tissues.

### SNX14 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### SNX14 Antibody (Center) - Images



SNX14 Antibody (Center) (Cat. #AP13820c) western blot analysis in mouse testis tissue lysates (35ug/lane). This demonstrates the SNX14 antibody detected the SNX14 protein (arrow).

### SNX14 Antibody (Center) - 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) - 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)