

**Anti-SNX5 Antibody (C-term), Biotinylated**  
**Catalog # AF4277a****Specification**

---

**Anti-SNX5 Antibody (C-term), Biotinylated - Product Information**

Application	WB, IHC, E
Primary Accession	<a href="#">Q9Y5X3</a>
Other Accession	<a href="#">27131</a> , <a href="#">NP_055241.1</a> , <a href="#">NP_001269383.1</a> , <a href="#">69178</a> , <a href="#">296199</a>
Reactivity	Human
Predicted	Human, Mouse, Pig
Calculated MW	46816

**Anti-SNX5 Antibody (C-term), Biotinylated - Additional Information****Gene ID** 27131**Other Names**

sorting nexin; phox; PX; intracellular trafficking;

**Target/Specificity**

This antibody is expected to recognize both reported isoforms (NP\_055241.1; NP\_001269383.1). Reported variants represent identical protein: NP\_055241.1, NP\_689413.1

**Dilution**

WB~~1:1000  
IHC~~1:100~500  
E~~N/A

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Anti-SNX5 Antibody (C-term), Biotinylated is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-SNX5 Antibody (C-term), Biotinylated - Protein Information****Name** SNX5**Function**

Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)) or phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P2) (PubMed:<a href="http://www.uniprot.org/citations/15561769" target="\_blank">15561769</a>). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex. The SNX-BAR retromer mediates retrograde transport of cargo

proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX-BAR subcomplex functions to deform the donor membrane into a tubular profile called endosome-to-TGN transport carrier (ETC) (Probable). Does not have in vitro vesicle-to-membrane remodeling activity (PubMed:<a href="http://www.uniprot.org/citations/23085988" target="\_blank">23085988</a>). Involved in retrograde transport of lysosomal enzyme receptor IGF2R (PubMed:<a href="http://www.uniprot.org/citations/17148574" target="\_blank">17148574</a>, PubMed:<a href="http://www.uniprot.org/citations/18596235" target="\_blank">18596235</a>). May function as link between endosomal transport vesicles and dynactin (Probable). Plays a role in the internalization of EGFR after EGF stimulation (Probable). Involved in EGFR endosomal sorting and degradation; the function involves PIP5K1C isoform 3 and is retromer- independent (PubMed:<a href="http://www.uniprot.org/citations/23602387" target="\_blank">23602387</a>). Together with PIP5K1C isoform 3 facilitates HGS interaction with ubiquitinated EGFR, which initiates EGFR sorting to intraluminal vesicles (ILVs) of the multivesicular body for subsequent lysosomal degradation (Probable). Involved in E-cadherin sorting and degradation; inhibits PIP5K1C isoform 3-mediated E-cadherin degradation (PubMed:<a href="http://www.uniprot.org/citations/24610942" target="\_blank">24610942</a>). Plays a role in macropinocytosis (PubMed:<a href="http://www.uniprot.org/citations/18854019" target="\_blank">18854019</a>, PubMed:<a href="http://www.uniprot.org/citations/21048941" target="\_blank">21048941</a>).

#### Cellular Location

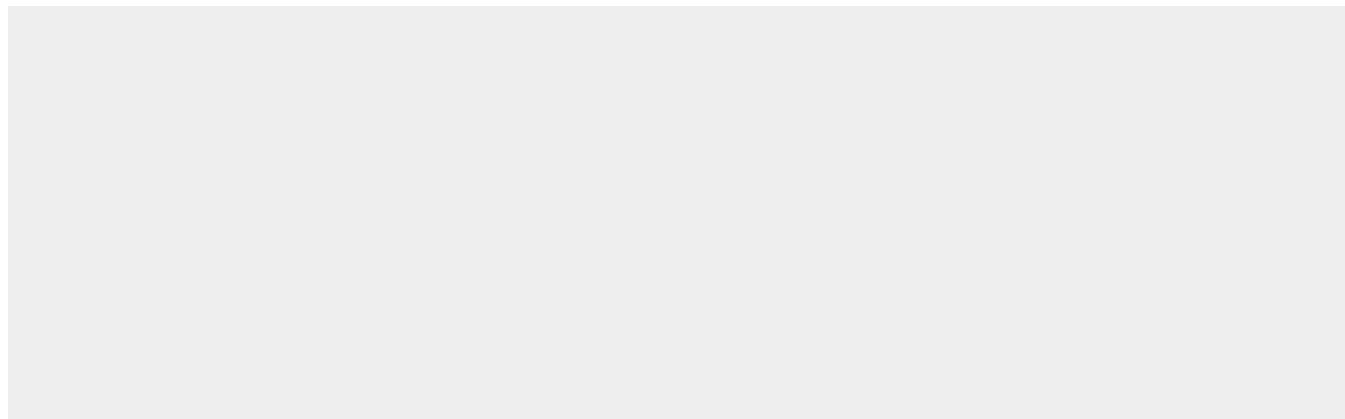
Endosome. Early endosome Early endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm. Cell projection, phagocytic cup. Cell projection, ruffle. Note=Recruited to the plasma membrane after EGF stimulation, which leads to increased levels of phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P2) (PubMed:15561769). Detected on macropinosomes (PubMed:16968745, PubMed:21048941). Targeted to membrane ruffles in response to EGFR stimulation.

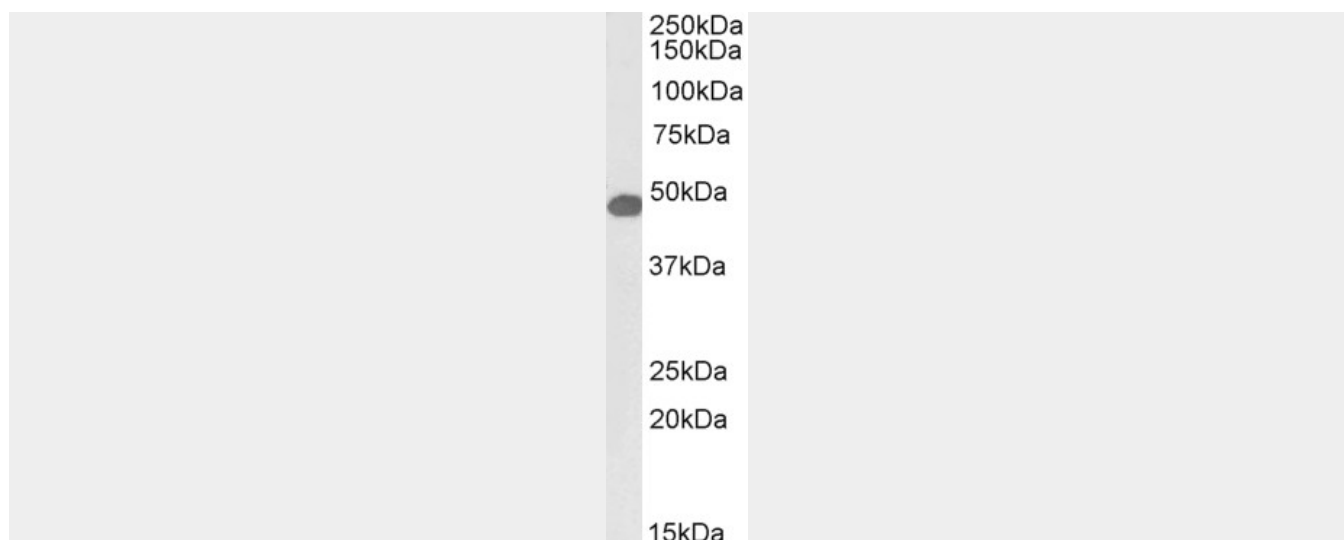
#### Anti-SNX5 Antibody (C-term), Biotinylated - Protocols

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](#)

#### Anti-SNX5 Antibody (C-term), Biotinylated - Images





Biotinylated antibody (2  $\mu\text{g/ml}$ ) staining of A549 lysate (35  $\mu\text{g}$  protein in RIPA buffer), exactly mirroring its parental non-biotinylated product. Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.