

**Snx5 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI13731****Specification**

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**Snx5 antibody - N-terminal region - Product Information**

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|-------------------|----------------------------------------------------------------|
| Application       | WB                                                             |
| Primary Accession | <a href="#">O9D8U8</a>                                         |
| Other Accession   | <a href="#">NM_001199188</a> , <a href="#">BAC37388</a>        |
| Reactivity        | Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog |
| Predicted         | Human, Mouse, Rat, Chicken, Horse, Bovine, Guinea Pig, Dog     |
| Host              | Rabbit                                                         |
| Clonality         | Polyclonal                                                     |
| Calculated MW     | 47kDa KDa                                                      |

**Snx5 antibody - N-terminal region - Additional Information****Gene ID** 69178**Alias Symbol** RP23-35E16.2, 0910001N05Rik, 1810032P22Rik, AU019504, D2Ertd52e**Other Names**  
Sorting nexin-5, Snx5**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Snx5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Snx5 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Snx5 antibody - N-terminal region - Protein Information****Name** Snx5**Function**

Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol lipids. 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). Does not

have in vitro vesicle-to-membrane remodeling activity. Involved in retrograde transport of lysosomal enzyme receptor IGF2R. May function as link between endosomal transport vesicles and dynactin. Plays a role in the internalization of EGFR after EGF stimulation. Involved in EGFR endosomal sorting and degradation; the function involves PIP5K1C and is retromer-independent. Together with PIP5K1C facilitates HGS interaction with ubiquitinated EGFR, which initiates EGFR sorting to intraluminal vesicles (ILVs) of the multivesicular body for subsequent lysosomal degradation. Involved in E-cadherin sorting and degradation; inhibits PIP5K1C-mediated E-cadherin degradation (By similarity). Plays a role in macropinocytosis (PubMed:<a href="http://www.uniprot.org/citations/18854019" target="\_blank">18854019</a>).

#### Cellular Location

Endosome {ECO:0000250|UniProtKB:Q9Y5X3}. Early endosome {ECO:0000250|UniProtKB:Q9Y5X3}. Early endosome membrane {ECO:0000250|UniProtKB:Q9Y5X3}; Peripheral membrane protein; Cytoplasmic side. Cell membrane {ECO:0000250|UniProtKB:Q9Y5X3}; Peripheral membrane protein; Cytoplasmic side {ECO:0000250|UniProtKB:Q9Y5X3}. 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) (By similarity). Detected on macropinosomes (PubMed:18854019). Targeted to membrane ruffles in response to EGFR stimulation (By similarity) {ECO:0000250|UniProtKB:Q9Y5X3, ECO:0000269|PubMed:18854019}

#### Tissue Location

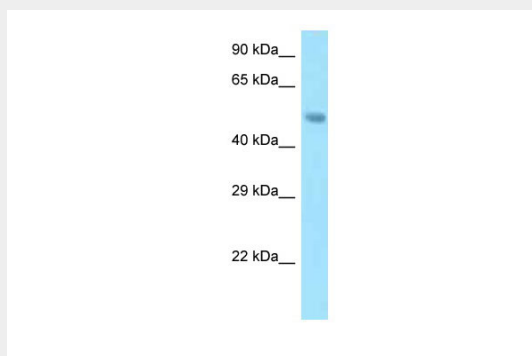
Detected in macrophages (at protein level).

### **Snx5 antibody - N-terminal region - 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](#)

### **Snx5 antibody - N-terminal region - Images**



WB Suggested Anti-Snx5 Antibody Titration: 1.0 µg/ml  
Positive Control: Mouse Pancreas

### **Snx5 antibody - N-terminal region - References**

Carninci P., et al. Science 309:1559-1563(2005).  
Lim J.P., et al. BMC Cell Biol. 9:58-58(2008).