

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

Snx5 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O9D8U8
Other Accession	NM_001199188 , BAC37388
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:18854019).

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

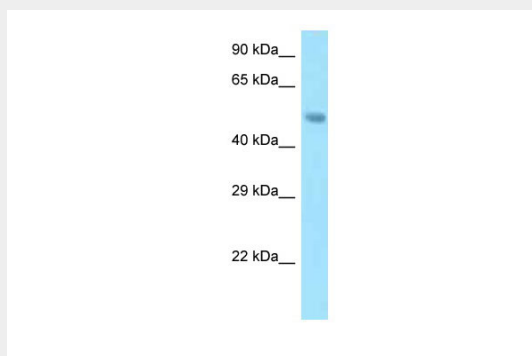
Detected in macrophages (at protein level).

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).