



## Rabbit Anti-SNX4 antibody

SL12406R

<b>Product Name:</b>	SNX4
<b>Chinese Name:</b>	分选连接蛋白4抗体
<b>Alias:</b>	ATG24B; SNX 4; snx4; SNX4 HUMAN; Sorting nexin 4; Sorting nexin-4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	52kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SNX4:351-450/450
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	SNX2 and SNX4 share a high degree of amino acid similarity with SNX1, as they all contain a characteristic phox homology (PX) domain (4). These proteins are all partially associated with cellular membranes, and they, likewise, associate with EGF, PDGF and insulin receptor tyrosine kinases (2). These nexins are widely expressed and yet have various tissue distribution patterns. Additionally, the sorting nexins can associate with each other and with a variety of other cellular proteins, suggesting that they exist as part of multisubunit complexes (1,5). The related protein, SNX3,

comprises a distinct subgroup of nexins that share less sequence similarity outside of the PX domain and have dramatically different binding affinities for the tyrosine kinase receptors (2,6).

**Function:**

May be involved in several stages of intracellular trafficking. Plays a role in recycling endocytosed transferrin receptor and prevent its degradation.

**Subunit:**

Interacts with WWC1/KIBRA. Identified in a complex with WWC1/KIBRA and dynein components DYNLL1 and DYNC1I2.

**Subcellular Location:**

Early endosome membrane. Also detected on a juxtannuclear endocytic recycling compartment.

**Similarity:**

Belongs to the sorting nexin family.  
Contains 1 PX (phox homology) domain.

**SWISS:**

O95219

**Gene ID:**

8723

**Database links:**

[Entrez Gene: 8723](#)Human

[Entrez Gene: 69150](#)Mouse

[Entrez Gene: 360725](#)Rat

[Omim: 605931](#)Human

[SwissProt: O95219](#)Human

[SwissProt: Q91YJ2](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.