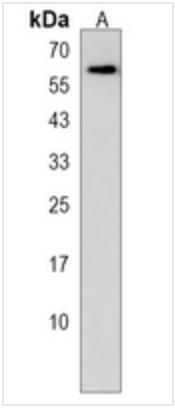
SNX2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SNX2, Polyclonal Antibody
Full Product Name	Anti-SNX2 Antibody
Product Gene Name	anti-SNX2 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of SNX2 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	46,098 Da
3D Structure	ModBase 3D Structure for O60749
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human SNX2. The exact sequence is proprietary.
Product Categories/Family for anti-SNX2 antibody	Primary Antibodies
Applications Tested/Suitable for anti-SNX2 antibody	Western Blot (WB)
Application Notes for anti-SNX2 antibody	WB: 1/500-1/1000
Related Product Information for anti-SNX2 antibody	MBS8323162 is an antibody targeting SNX2. Reactive in Human. Host: Rabbit. Rabbit polyclonal antibody to SNX2
Other Notes	Small volumes of anti-SNX2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SNX2 antibody
Western blot analysis of SNX2 expression in A375 (A) whole cell lysates. (Predicted band size: 58 kD; Observed band size: 58 kD)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNX2. It may not necessarily be applicable to this product.

NCBI GI #	2827434
NCBI GeneID	6643
NCBI Accession #	AAB99852.1
UniProt Primary Accession #	O60749
UniProt Secondary Accession #	O43650; P82862; Q53XK8; Q597H6; Q9BTS8; B3KN44; B4DEK4; B7Z408
UniProt Related Accession #	O60749
NCBI Official Full Name	sorting nexin 2
NCBI Official Synonym Full Names	sorting nexin 2
NCBI Official Symbol	SNX2
NCBI Official Synonym Symbols	TRG-9
UniProt Protein Name	Sorting nexin-2
UniProt Synonym Protein Names	Transformation-related gene 9 protein; TRG-9
Protein Family	Sorting nexin
UniProt Gene Name	SNX2
UniProt Synonym Gene Names	TRG-9
NCBI Protein Information	sorting nexin-2
NCBI Summary for SNX2	This gene belongs to the sorting nexin family whose members contain the phosphoinositide-binding phox (PX) domain. The encoded protein is a component of the retromer complex which plays a role in protein sorting in the endocytic pathway. This protein may form oligomeric complexes with other family members. Alternate splicing results in multiple transcript variants of this gene. Pseudogenes associated with this gene are located on chromosomes 1 and 7. [provided by RefSeq, May 2013]

UniProt Comments for SNX2	Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)) or phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2) (PubMed:16179610). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex (PubMed:17101778). 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). Can sense membrane curvature and has in vitro vesicle-to-membrane remodeling activity (PubMed:23085988). Required for retrograde endosome-to-TGN transport of TGN38 (PubMed:20138391). Promotes KALRN- and RHOG-dependent but retromer-independent membrane remodeling such as lamellipodium formation; the function is dependent on GEF activity of KALRN (PubMed:20604901).
Research Articles on SNX2	**1.** SNX2 is highly expressed in 73.3% Graves disease patients and in 93.8% thyroid nodule patients.
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