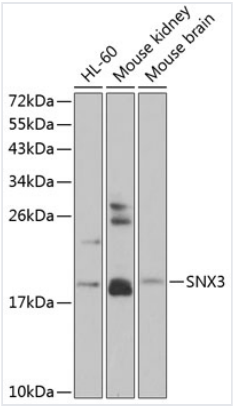
SNX3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SNX3, Polyclonal Antibody
Full Product Name	SNX3 Rabbit Polyclonal Antibody
Product Gene Name	anti-SNX3 antibody
Product Synonym Names	SNX3; Grd19; MCOPS8; SDP3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	18,762 Da
Chromosome Location	Chromosome: 6; NC_000006.11 (108532717..108582464, complement). Location: 6q21
OMIM	601349
3D Structure	ModBase 3D Structure for O60493
Immunogen	Recombinant fusion protein of human SNX3 (NP_003786.1).
Product Categories/Family for anti-SNX3 antibody	Primary Antibody
Applications Tested/Suitable for anti-SNX3 antibody	Western Blot (WB)
Application Notes for anti-SNX3 antibody	WB: 1:500-1:2000
Related Product Information for anti-SNX3 antibody	This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein does not contain a coiled coil region, like most family members. This protein interacts with phosphatidylinositol-3-phosphate, and is involved in protein trafficking. A pseudogene of this gene is present on the sex chromosomes. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Other Notes	Small volumes of anti-SNX3 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.
Searchable Terms for SNX3 purchase	MBS9464836 is an antibody targeting SNX3. Also known as SNX3 Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-SNX3 antibody
Western blot analysis of extracts of various cell lines, using SNX3 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNX3. It may not necessarily be applicable to this product.

NCBI GI #	4507143
NCBI GeneID	8724
NCBI Accession #	NP_003786.1
UniProt Primary Accession #	O60493
UniProt Secondary Accession #	O60718; Q4TT29; Q4TT31; Q5JXJ7; Q5JXJ8; Q96AP9; Q9C0J5; Q9NU45; A8K0B1; E1P5E4; E1P5E5
UniProt Related Accession #	O60493
GenBank Nucleotide #	NM_003795.4
NCBI Official Full Name	sorting nexin-3 isoform a
NCBI Official Synonym Full Names	sorting nexin 3
NCBI Official Symbol	SNX3
NCBI Official Synonym Symbols	SDP3; Grd19; MCOPS8
UniProt Protein Name	Sorting nexin-3
UniProt Synonym Protein Names	Protein SDP3
Protein Family	Sorting nexin
UniProt Gene Name	SNX3
UniProt Entry Name	SNX3_HUMAN
NCBI Protein Information	sorting nexin-3; sorting nexin 3A
NCBI Summary for SNX3	This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein does not contain a coiled coil region, like most family members. This protein interacts with phosphatidylinositol-3-phosphate, and is involved in protein trafficking. [provided by RefSeq, Jul 2008]

UniProt Comments for SNX3	SNX3: Phosphoinositide-binding protein required for multivesicular body formation. Specifically binds phosphatidylinositol 3-phosphate (PtdIns(P3)). Plays a role in protein transport between cellular compartments. Promotes stability and cell surface expression of epithelial sodium channel (ENAC) subunits SCNN1A and SCNN1G. Not involved in EGFR degradation. A chromosomal aberration involving SNX3 may be a cause of microphthalmia syndromic type 8 (MCOPS8). Translocation t(6;13)(q21;q12). Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS8 is a very rare congenital syndrome characterized by microcephaly, microphthalmia, ectrodactyly of the lower limbs and prognathism. Intellectual deficit has been reported. Belongs to the sorting nexin family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle Chromosomal Location of Human Ortholog: 6q21 Cellular Component: extrinsic to membrane; intracellular membrane-bound organelle; clathrin-coated vesicle; retromer complex; early endosome membrane; cytoplasm; early endosome; endosome membrane; cytosol Molecular Function: protein binding; phosphatidylinositol-5-phosphate binding; protein phosphatase binding; phosphatidylinositol 3-phosphate binding Biological Process: hemoglobin biosynthetic process; negative regulation of phagocytosis; regulation of cellular protein metabolic process; regulation of intracellular protein transport; response to bacterium; negative regulation of virion penetration into host cell; vesicle organization and biogenesis; regulation of Wnt receptor signaling pathway; membrane invagination; transferrin transport; protein to membrane docking; negative regulation of protein transport; negative regulation of protein catabolic process Disease: Microphthalmia, Syndromic 8
Research Articles on SNX3	**1.** SNX3 negatively regulates phagocytosis in DC possibly by modulating recruitment of essential PI3P lipid-binding proteins of the phagocytic pathways, such as EEA1, to phagosomal membranes.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/snx3/9464836