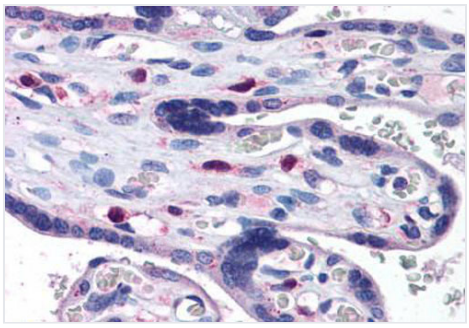
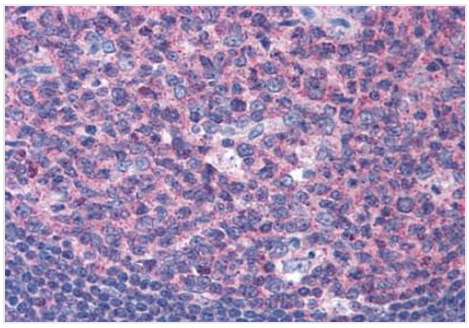
SNX16 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

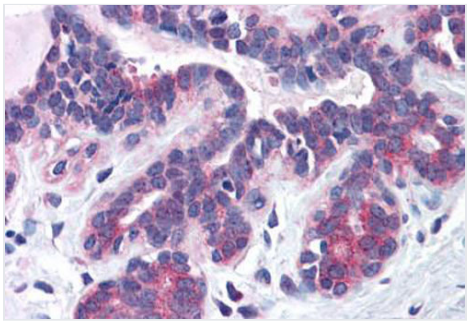
Product Name	SNX16, Polyclonal Antibody
Full Product Name	Goat Polyclonal to Human SNX16
Product Gene Name	anti-SNX16 antibody
Product Synonym Names	Anti-SNX16 Antibody (N-Terminus) IHC-plus; SNX16; Sorting nexin 16; Sorting nexin-16; Human SNX16
Clonality	Polyclonal
Host	Goat
Species Reactivity	Gibbon, Dog, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Orangutan, Rabbit, Rat **Predicted Reactivity:** Bat, Bovine, Pig (at least 90% immunogen sequence identity)
Form/Format	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
Purity/Purification	Immunoaffinity Purified
Concentration	0.5 mg/ml (lot specific)
Specificity	Human SNX16. This antibody is expected to recognise both isoform a (NP_071416.2; NP_690049.1) and isoform b (NP_690050.1).
Preparation and Storage	Store at -20 degree C. Minimize freezing and thawing.
Molecular Weight	35,566 Da
OMIM	614903
3D Structure	ModBase 3D Structure for P57768
Target Species	Human
Immunogen Description	Synthetic peptide ATPYVPVPMPIGN-C from the N-terminus of human SNX16 (NP_071416.2; NP_690049.1; NP_690050.1).
Immunogen Type	Synthetic peptide
Immunogen	SNX16 antibody was raised against synthetic peptide ATPYVPVPMPIGN-C from the N-terminus of human SNX16 (NP_071416.2; NP_690049.1; NP_690050.1). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Panda, Dog, Horse, Rabbit (100%); Bovine, Bat, Pig (92%); Opossum, Chicken, Platypus, Lizard (85%).
Antigen Modification	N-Terminus
Applications Tested/Suitable for anti-SNX16 antibody	Immunohistochemistry (IHC - Paraffin), Western Blot (WB), ELISA (EIA)
Application Notes for anti-SNX16 antibody	ELISA (1:64000), IHC-P (3.75 ug/ml), WB (1:64000, 0.05 - 0.2 ug/ml)
Related Product Information for anti-SNX16 antibody	MBS246723 is an antibody targeting SNX16. Also known as Goat Polyclonal to Human SNX16. Reactive in Gibbon, Dog, Gorilla, Hamster, Horse, Human, Monkey, Mouse, Orangutan, Rabbit, Rat **Predicted Reactivity:** Bat, Bovine, Pig (at least 90% immunogen sequence identity). Host: Goat.
Other Notes	Small volumes of anti-SNX16 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.



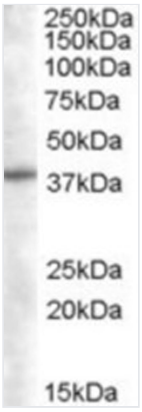
Immunohistochemistry (IHC) of anti-SNX16 antibody
Anti-SNX16 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3.75 ug/ml.



Immunohistochemistry (IHC) of anti-SNX16 antibody
Anti-SNX16 antibody IHC of human tonsil. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3.75 ug/ml.



Immunohistochemistry (IHC) of anti-SNX16 antibody
Anti-SNX16 antibody IHC of human breast. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 3.75 ug/ml.



Western Blot (WB) of anti-SNX16 antibody
Antibody (0.05 ug/ml) staining of Daudi lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SNX16. It may not necessarily be applicable to this product.

NCBI GI #	23238244
NCBI GeneID	64089
NCBI Accession #	NP_071416.2
UniProt Primary Accession #	P57768
UniProt Secondary Accession #	Q658L0; Q8N4U3; A8K4D8
UniProt Related Accession #	P57768
GenBank Nucleotide #	NM_022133.3
NCBI Official Full Name	sorting nexin-16 isoform a
NCBI Official Synonym Full Names	sorting nexin 16
NCBI Official Symbol	SNX16
UniProt Protein Name	Sorting nexin-16
Protein Family	Sorting nexin
UniProt Gene Name	SNX16
UniProt Entry Name	SNX16_HUMAN
NCBI Protein Information	sorting nexin-16

NCBI Summary for SNX16	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. The function of this protein has not been determined. This gene results in three transcript variants encoding two distinct isoforms. [provided by RefSeq, Jul 2008]
UniProt Comments for SNX16	SNX16: May be involved in several stages of intracellular trafficking. Plays a role in protein transport from early to late endosomes. Plays a role in protein transport to the lysosome. Promotes degradation of EGFR after EGF signaling. Plays a role in intracellular transport of vesicular stomatitis virus nucleocapsids from the endosome to the cytoplasm. Belongs to the sorting nexin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Vesicle Chromosomal Location of Human Ortholog: 8q21.13 Cellular Component: lysosome; late endosome membrane; early endosome membrane; early endosome; late endosome Molecular Function: identical protein binding; phosphoinositide binding Biological Process: protein targeting to lysosome; early endosome to late endosome transport; endosome to lysosome transport
Research Articles on SNX16	**1.** Observational study of gene-disease association. (HuGE Navigator)
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