

Rabbit Snx6 Polyclonal Antibody | anti-SNX6 antibody

Snx6 Antibody

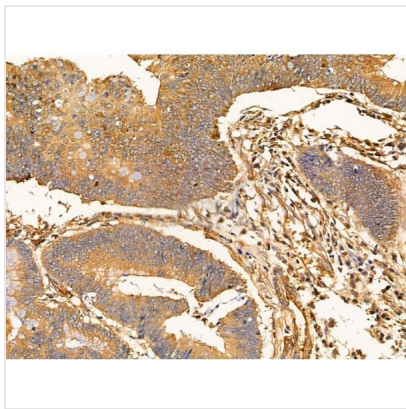
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31269	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)	ELISA

PRODUCT SYNONYMS

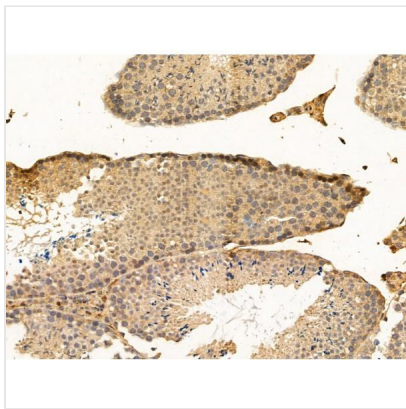
Snx6; Polyclonal Antibody; Snx6 Antibody; anti-SNX6 antibody

PRODUCT SPECIFICATIONS

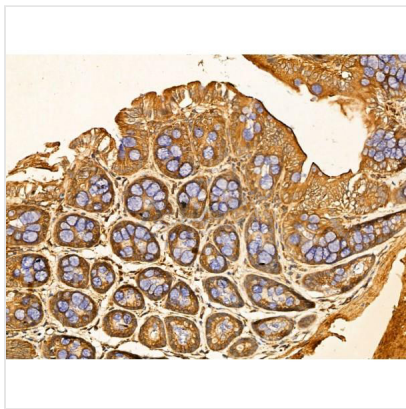
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(100%), Xenopus(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Snx6 Antibody detects endogenous levels of total Snx6.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	406
Applicable Applications for anti-SNX6 antibody	ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human Snx6, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



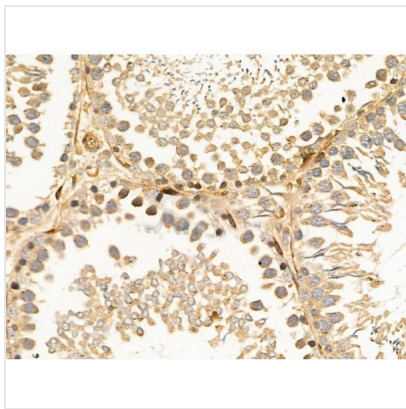
IHC (Immunohistochemistry-Paraffin)
AAA31269 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



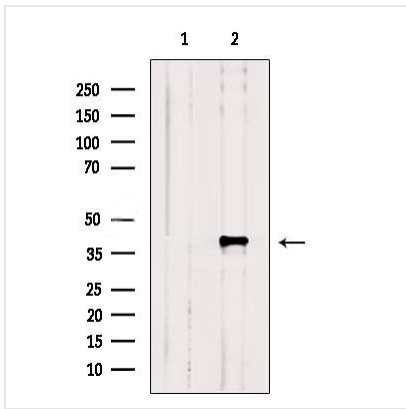
IHC (Immunohistochemistry-Paraffin)
AAA31269 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



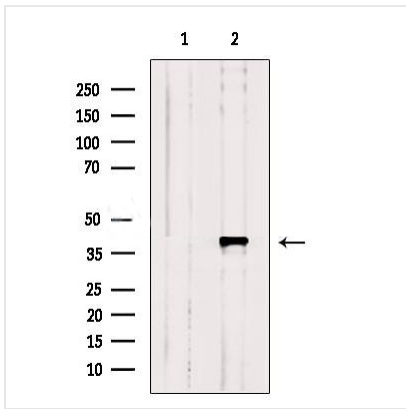
IHC (Immunohistochemistry-Paraffin)
AAA31269 at 1/100 staining Rat colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31269 at 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using Snx6 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from 3T3-7, using Snx6 Antibody. The lane on the left was treated with blocking peptide.Observed bands: 40 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SNX6 antibody	Function: Involved in several stages of intracellular trafficking. Interacts with membranes phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 4,5-bisphosphate (Probable). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex (PubMed:19935774). 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). Does not have in vitro vesicle-to-membrane remodeling activity (PubMed:23085988). Involved in retrograde endosome-to-TGN transport of lysosomal enzyme receptor IGF2R (PubMed:17148574). May function as link between transport vesicles and dynactin (Probable). Negatively regulates retrograde transport of BACE1 from the cell surface to the trans-Golgi network (PubMed:20354142). Involved in E-cadherin sorting and degradation; inhibits PIP5K1C isoform 3-mediated E-cadherin degradation (PubMed:24610942). In association with GIT1 involved in EGFR degradation. Promotes lysosomal degradation of CDKN1B (By similarity). May contribute to transcription regulation (Probable). Post Translational Modifications: In vitro phosphorylated by PIM1; not affecting PIM1-dependent nuclear translocation (PubMed:11591366). Subcellular Location: Early endosome. Early endosome membrane>Peripheral membrane protein>Cytoplasmic side. Cytoplasmic vesicle. Cytoplasm. Nucleus. Note: Interaction with SNX1 or SNX2 promotes location at endosome membranes (PubMed:19935774). Only a minor proportion is seen in the nucleus. Subunit Structure: Forms heterodimers with BAR domain-containing sorting nexins SNX1 and SNX2 (PubMed:23085988). The heterodimers are proposed to self-assemble into helical arrays on the membrane to stabilize and expand local membrane curvature underlying endosomal tubule formation. Thought to be a component of the originally described retromer complex (also called SNX-BAR retromer) which is a pentamer containing the heterotrimeric retromer cargo-selective complex (CSC), also described as vacuolar protein sorting subcomplex (VPS), and a heterodimeric membrane-deforming subcomplex formed between SNX1 or SNX2 and SNX5 or SNX6 (also called SNX-BAR subcomplex); the respective CSC and SNX-BAR subcomplexes associate with low affinity (Probable). Interacts with SNX1, SNX2, VPS26A, VPS29, VPS35, CDKN1B, TGFB receptors, BACE1, BRMS1, PIP5K1C isoform 3. Interacts with DCTN1; the association with DCTN1 is involved in movement of retromer-containing vesicles toward the TGN (PubMed:11279102, PubMed:17148574, PubMed:19935774, PubMed:19619496, PubMed:20354142, PubMed:20830743, PubMed:23085988, PubMed:24610942). Interacts with CDKN1B and GIT1 (By similarity). Interacts with PIM1; translocating SNX6 to the nucleus (PubMed:11591366). Similarity: The PX domain mediates interaction with membranes enriched in phosphatidylinositol 3,4-bisphosphate and/or phosphatidylinositol 4,5-bisphosphate. The BAR domain is able to sense membrane curvature upon dimerization. Membrane remodeling seems to implicate insertion of an amphipatric helix (AH) in the membrane (Probable). Belongs to the sorting nexin family.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4689252
NCBI GeneID	58533
UniProt Accession #	Q9UNH7
Molecular Weight	Observed Molecular Weight: (Observed)46kD, 40kD. Predicted Molecular Weight: (Calculated)47kDa.
NCBI Official Full Name	sorting nexin 6
NCBI Official Synonym Full Names	sorting nexin 6
NCBI Official Symbol	SNX6
NCBI Official Synonym Symbols	TFAF2; MSTP010
NCBI Protein Information	sorting nexin-6
UniProt Protein Name	Sorting nexin-6
UniProt Gene Name	SNX6

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/snx6-antibody-elisa/31269>