

Product datasheet for CF501324

SH3PX1 (SNX9) Mouse Monoclonal Antibody [Clone ID: OTI2B5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2B5
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:1000~2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human, Monkey, Mouse, Rat, Dog
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SNX9(NP_057308) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	66.4 kDa
Gene Name:	Homo sapiens sorting nexin 9 (SNX9), mRNA.
Database Link:	<u>NP_057308 Entrez Gene 66616 Mouse</u> <u>Entrez Gene 683687 Rat</u> <u>Entrez Gene 476254 Dog</u> <u>Entrez Gene 706016 Monkey</u> <u>Entrez Gene 51429 Human</u>



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Background:

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 some family members, but does contain a SH3 domain near its N-terminus. This protein interacts with the cytoplasmic domains of the precursor but not the processed forms of a disintegrin and metalloprotease domain 9 and 15. This protein binds the beta-appendage domain of adaptor protein 2 and may function to assist adaptor protein 2 in its role at the plasma membrane. This protein interacts with activated Cdc42-associated kinase-2 to regulate the degradation of epidermal growth factor receptor protein. [provided by RefSeq]

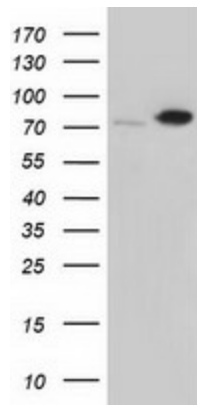
Synonyms:

SDP1; SH3PX1; SH3PXD3A; WISP

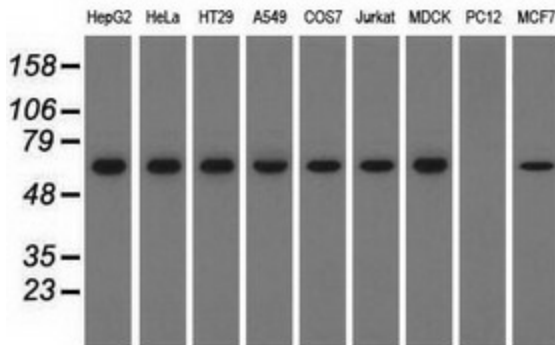
Protein Families:

Druggable Genome

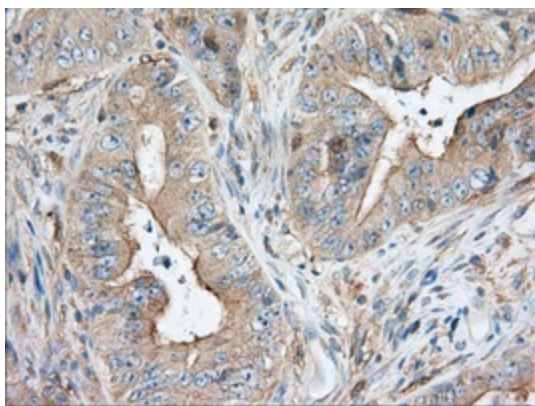
Product images:



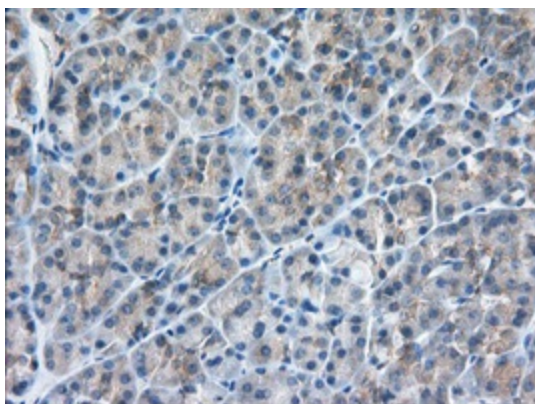
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SNX9 ([RC202822], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SNX9. Positive lysates [LY402520] (100ug) and [LC402520] (20ug) can be purchased separately from OriGene.



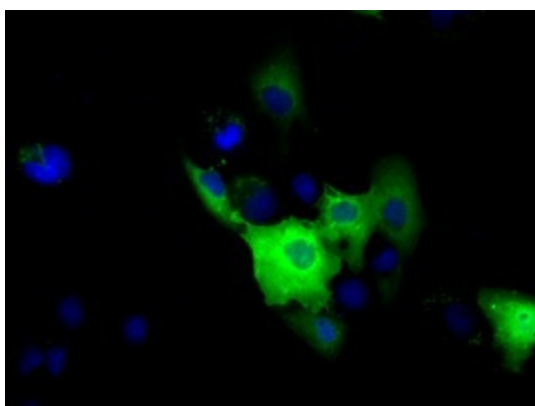
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SNX9 monoclonal antibody.



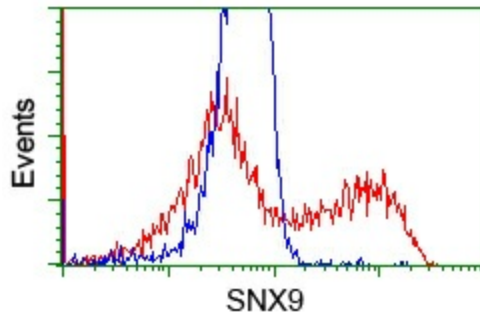
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-SNX9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501324], Dilution 1:50)



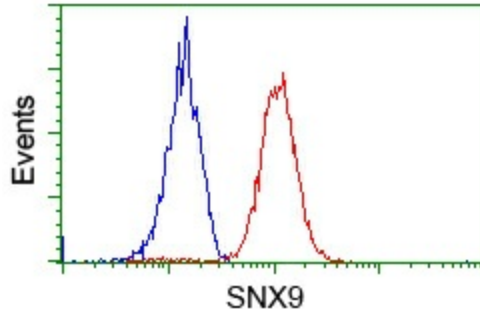
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-SNX9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501324], Dilution 1:50)



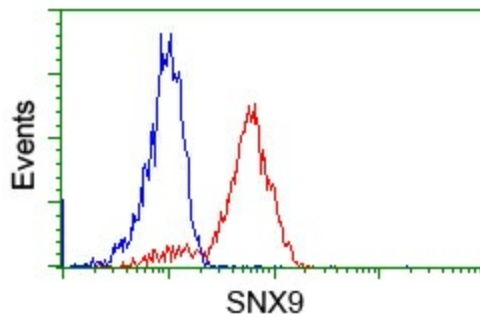
Anti-SNX9 mouse monoclonal antibody ([TA501324]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY SNX9 ([RC202822]).



HEK293T cells transfected with either [RC202822] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-SNX9 antibody ([TA501324]), and then analyzed by flow cytometry.



Flow cytometric Analysis of HeLa cells, using anti-SNX9 antibody ([TA501324]), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).



Flow cytometric Analysis of Jurkat cells, using anti-SNX9 antibody ([TA501324]), (Red), compared to a nonspecific negative control antibody ([TA50011]), (Blue).