

## Product datasheet for **TA501325**

### SH3PX1 (SNX9) Mouse Monoclonal Antibody [Clone ID: OTI2E1]

#### Product data:

|                         |                                                                                                                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                                                                                                                                                                   |
| Clone Name:             | OTI2E1                                                                                                                                                                                                               |
| Applications:           | FC, IF, IHC, WB                                                                                                                                                                                                      |
| Recommended Dilution:   | WB 1:1000~2000, IHC 1:50, IF 1:100, FLOW 1:100                                                                                                                                                                       |
| Reactivity:             | Human, Dog, Rat, Mouse                                                                                                                                                                                               |
| Host:                   | Mouse                                                                                                                                                                                                                |
| Isotype:                | IgG2a                                                                                                                                                                                                                |
| Clonality:              | Monoclonal                                                                                                                                                                                                           |
| Immunogen:              | Full length human recombinant protein of human SNX9(NP_057308) produced in HEK293T cell.                                                                                                                             |
| Formulation:            | PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.                                                                                                                                                 |
| Concentration:          | 0.91 mg/ml                                                                                                                                                                                                           |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)                                                                                                            |
| Conjugation:            | Unconjugated                                                                                                                                                                                                         |
| Storage:                | Store at -20°C as received.                                                                                                                                                                                          |
| Stability:              | Stable for 12 months from date of receipt.                                                                                                                                                                           |
| Predicted Protein Size: | 66.4 kDa                                                                                                                                                                                                             |
| Gene Name:              | sorting nexin 9                                                                                                                                                                                                      |
| Database Link:          | <a href="#">NP_057308</a><br><a href="#">Entrez Gene 66616 Mouse</a> <a href="#">Entrez Gene 683687 Rat</a> <a href="#">Entrez Gene 476254 Dog</a> <a href="#">Entrez Gene 51429 Human</a><br><a href="#">Q9Y5X1</a> |



[View online »](#)

**Background:**

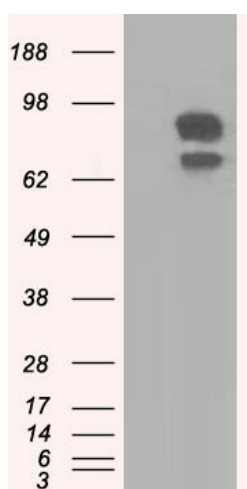
This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein does not contain a coiled coil region, like some family members, but does contain a SH3 domain 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:**

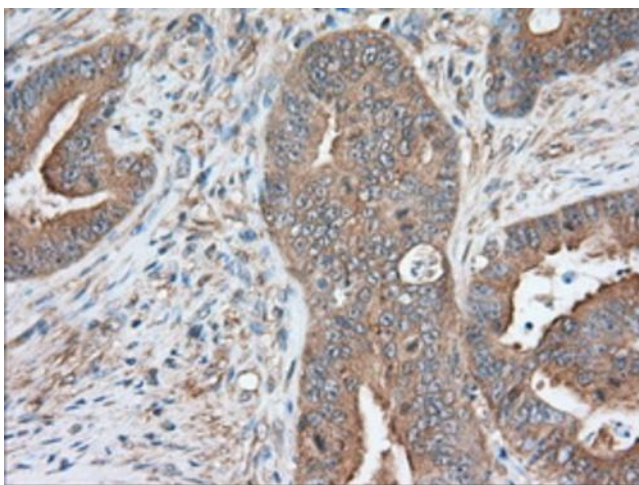
SDP1; SH3PX1; SH3PXD3A; WISP

**Protein Families:**

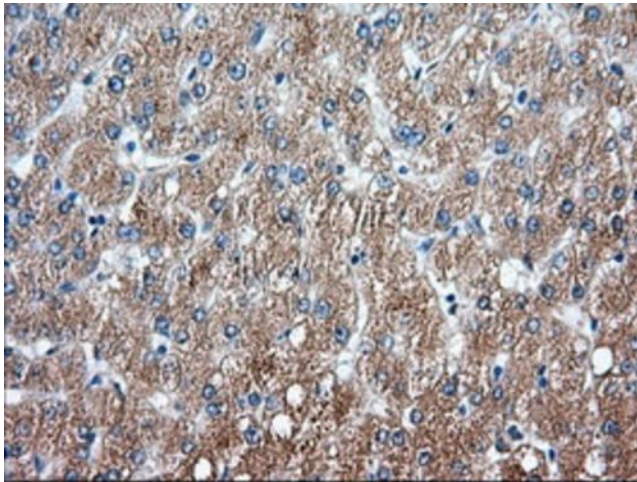
Druggable Genome

**Product images:**


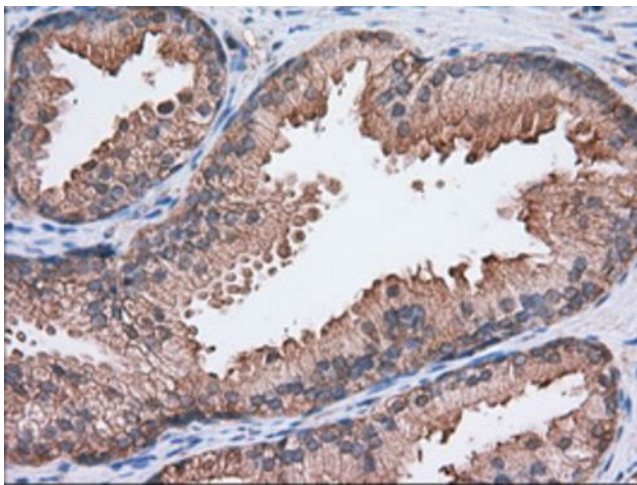
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SNX9 ([RC202822], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SNX9. Positive lysates [LY402520] (100ug) and [LC402520]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



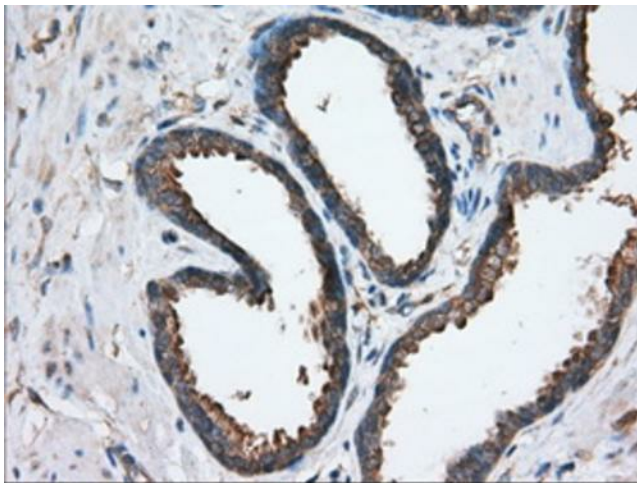
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-SNX9 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



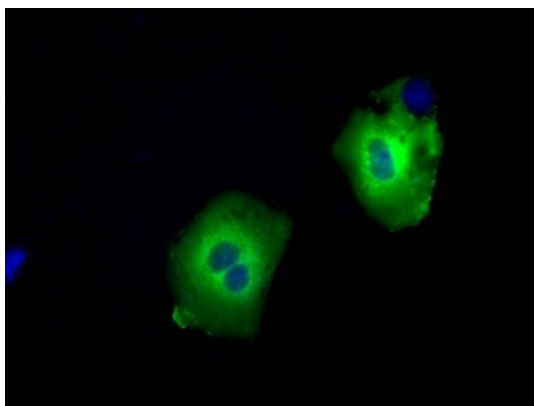
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-SNX9 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



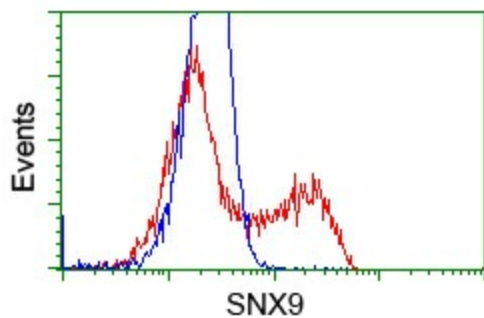
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-SNX9 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



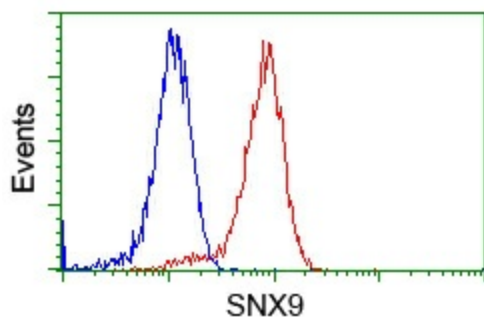
Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-SNX9 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Anti-SNX9 mouse monoclonal antibody (TA501325) 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 (TA501325), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-SNX9 antibody (TA501325), (Red), compared to a nonspecific negative control antibody (TA50011), (Blue).