

## Product datasheet for **TA501323BM**

### **SH3PX1 (SNX9) Mouse Monoclonal Antibody (HRP conjugated) [Clone ID: OTI2A11]**

#### **Product data:**

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI2A11  |
| Applications:           | FC, IF, IHC, WB  |
| Recommended Dilution:   | WB 1:1000~2000, IHC 1:50, IF 1:100, FLOW 1:100   |
| Reactivity:             | Human, Dog, Mouse, Rat   |
| 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.  |
| Concentration:          | 0.5 mg/ml  |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | HRP  |
| 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> |



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**Background:**

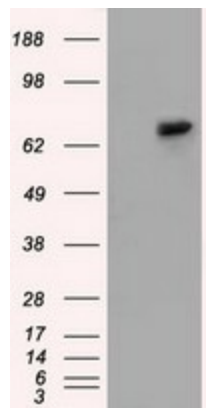
This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein does not contain a coiled coil region, like some family members, but does contain a SH3 domain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

**Synonyms:**

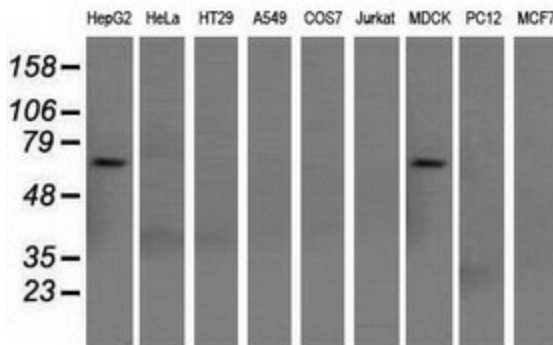
SDP1; SH3PX1; SH3PXD3A; WISP

**Protein Families:**

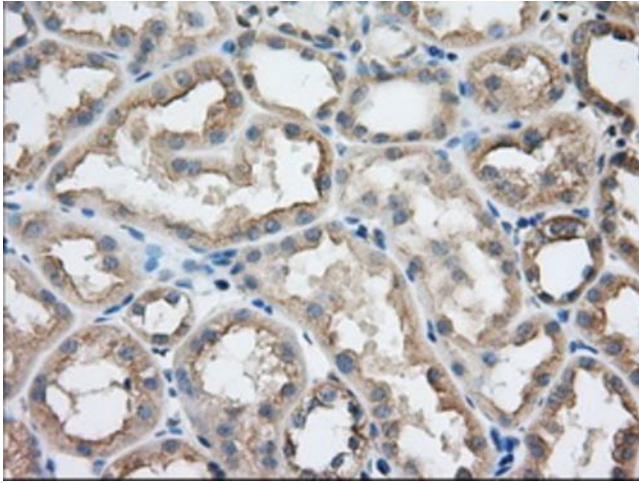
Druggable Genome

**Product images:**


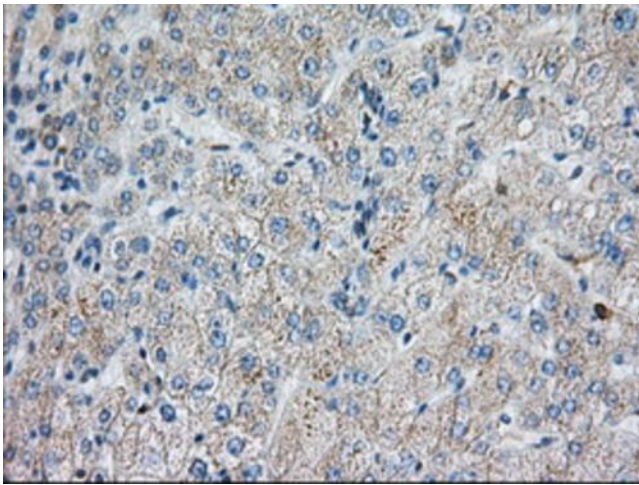
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY SNX9 ([RC202822], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SNX9. Positive lysates [LY402520] (100ug) and [LC402520]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



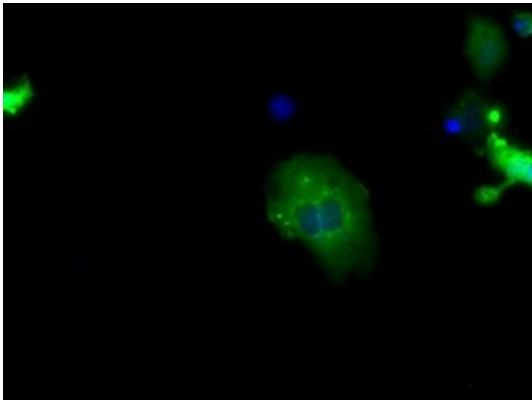
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-SNX9 monoclonal antibody.



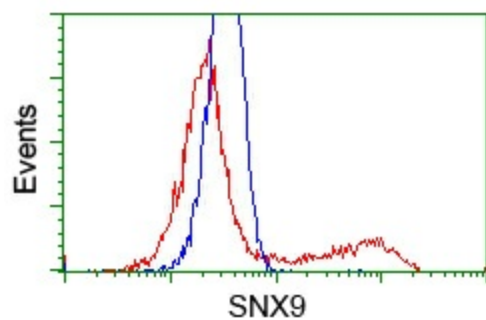
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-SNX9 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501323], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human liver 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, [TA501323], Dilution 1:50)



Anti-SNX9 mouse monoclonal antibody ([TA501323]) 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 ([TA501323]), and then analyzed by flow cytometry.