Product Name: **KD-Validated Sorting Nexin 9 Mouse Monoclonal Antibody**
Catalog #: **KVAb00524**
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2b
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 66.6kDa

Antigen Information

Gene Name	SNX9
Alternative Names	SNX9; Sorting Nexin 9; SH3PXD3A; SH3PX1; SDP1; SH3 And PX Domain-Containing Protein 3A; SH3 And PX Domain-Containing Protein 1; Sorting Nexin-9; Wiskott-Aldrich Syndrome Protein (WASP) Interactor Protein; Protein SDP1; WISP
Gene ID	51429.0
SwissProt ID	Q9Y5X1
Immunogen	Recombinant protein of human SNX9

Background

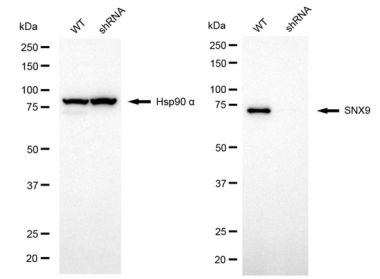
This gene encodes a member of the sorting nexin family. Members of this family contain a phosphoinositide binding domain, and are involved in intracellular trafficking. The encoded protein does not contain a coiled coil region, like some family

members, but does contain a SRC homology domain near its N-terminus. The encoded protein is reported to have a variety of interaction partners, including of adaptor protein 2 , dynamin, tyrosine kinase non-receptor 2, Wiskott-Aldrich syndrome-like, and ARP3 actin-related protein 3. The encoded protein is implicated in several stages of intracellular trafficking, including endocytosis, macropinocytosis, and F-actin nucleation. [provided by RefSeq, Jul 2013]

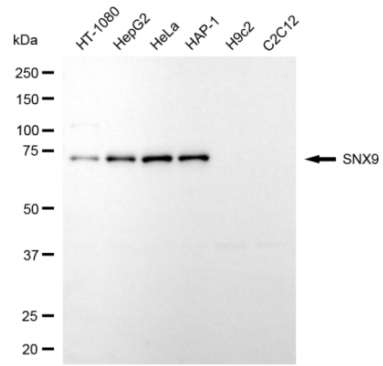
Research Area

Cancer

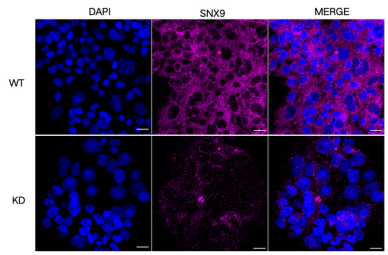
Image Data



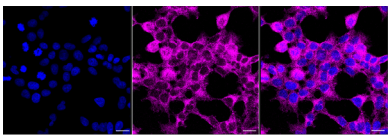
Western blotting analysis using SNX9 antibody (KVAb00524). SNX9 expression in wild-type (WT) and SNX9 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with SNX9 antibody (KVAb00524, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



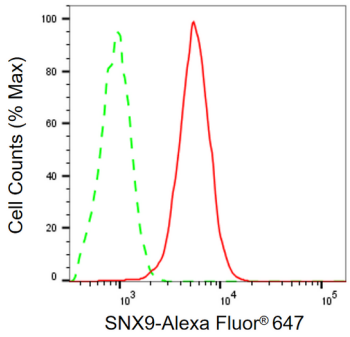
Western blotting analysis using SNX9 antibody (KVAb00524). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SNX9 antibody (KVAb00524, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using SNX9 antibody (KVAb00524, 1:1,000), Top panel: wild-type (WT); Bottom panal: SNX9 shRNA knockdown (KD). Nuclei were stained blue with DAPI; SNX9 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of Hela cells with SNX9 antibody (KVAb00524, 1:1,000). Nuclei were stained blue with DAPI; SNX9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Flow cytometric analysis of SNX9 expression in HeLa cells using SNX9 antibody (KVAb00524, 1:2,000). Green, isotype control; red, SNX9.