

## [KD Validated] Anti-SNX9 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

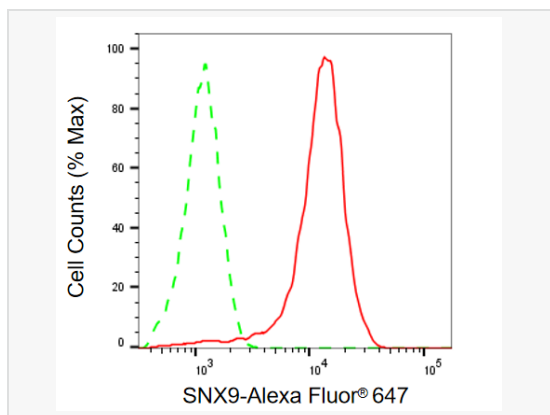
Catalog # M020597

### Product Information

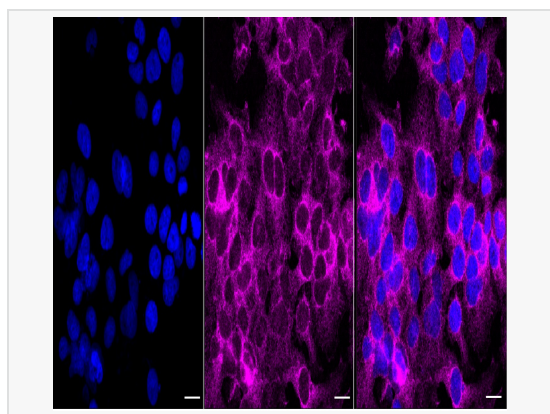
Application	WB, FC, IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:500~1:2,500; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	73B41B63
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human SNX9
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-SNX9 Mouse mAb [73B41B63] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

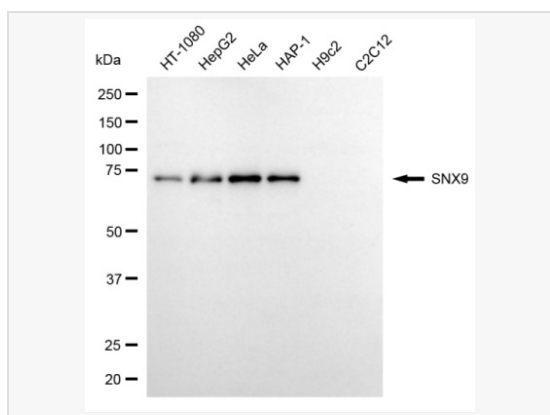
Synonyms	SNX9; Sorting Nexin 9; SH3PXD3A; SH3PX1; SDP1; SH3 And PX Domain-Containing Protein 3A; SH3 And PX Domain-Containing Protein 1; Sorting Nexin-9; Wiskott-Aldrich Syndrome Protein (WASP) Interactor Protein; Protein SDP1; WISP.
Calculated MW	Calculated MW: 67 kDa; Observed MW: 73 kDa
Uniprot ID	Q9Y5X1
Gene ID	51429
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]
Cellular Location	Cytoplasmic vesicle membrane.Peripheral membrane protein.Cytoplasmic side.Cell membrane.Peripheral membrane protein.Cytoplasmic side.Cytoplasmic vesicle.Clathrin-coated vesicle.Golgi apparatus.trans-Golgi network.Cell projection.Ruffle.Cytoplasm.Localized at sites of endocytosis at the cell membrane. Detected on newly formed macropinosomes. Transiently recruited to clathrin-coated pits at a late stage of clathrin-coated vesicle formation. Colocalizes with the actin cytoskeleton at the cell membrane.



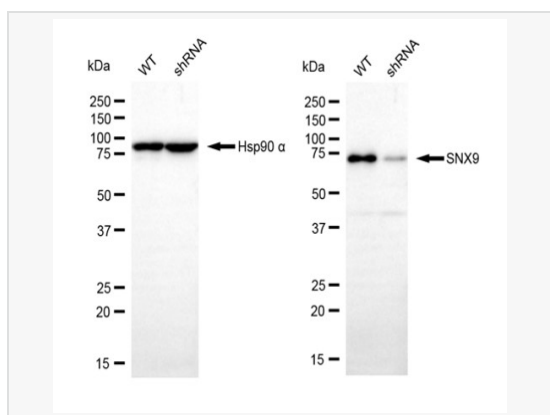
Flow cytometric analysis of SNX9 expression in HeLa cells using SNX9 antibody (M020597, 1:2,000). Green, isotype control; red, SNX9.



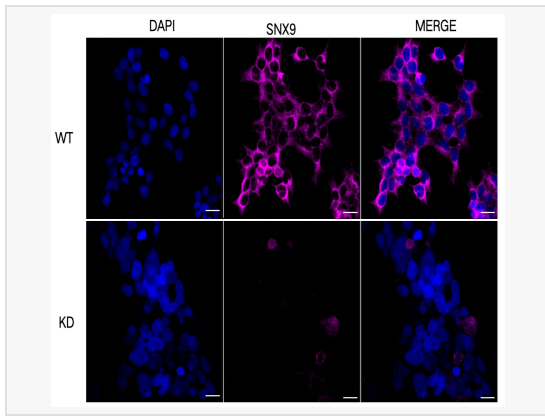
Immunocytochemical staining of HeLa cells with SNX9 antibody (M020597, 1:1,000). Nuclei were stained blue with DAPI; SNX9 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using SNX9 antibody (M020597). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with SNX9 antibody (M020597, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using SNX9 antibody (M020597). 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 (M020597, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Immunocytochemical staining of HeLa cells using SNX9 antibody (M020597, 1:1,000), Top panel: wild-type (WT); Bottom panel: SNX9 shRNA knockdown (KD). Nuclei were stained blue with DAPI; Acyl-CoA dehydrogenase short chain was stained magenta with Alexa Fluor® 647. Scale bar, 20  $\mu$ m.