10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SNX9 Rabbit pAb

Catalog # AP53591

Product Information

Primary Accession	Q9Y5X1
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	66592

Additional Information

Gene ID	51429
Other Names	SDP1; WISP; SH3PX1; SH3PXD3A
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

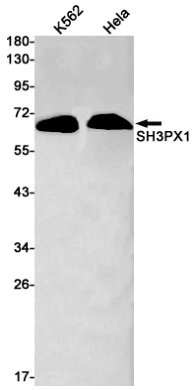
Name	SNX9
Synonyms	SH3PX1, SH3PXD3A
Function	Involved in endocytosis and intracellular vesicle trafficking, both during interphase and at the end of mitosis. Required for efficient progress through mitosis and cytokinesis. Required for normal formation of the cleavage furrow at the end of mitosis. Plays a role in endocytosis via clathrin-coated pits, but also clathrin- independent, actin-dependent fluid-phase endocytosis. Plays a role in macropinocytosis. Promotes internalization of TNFR. Promotes degradation of EGFR after EGF signaling. Stimulates the GTPase activity of DNM1. Promotes DNM1 oligomerization. Promotes activation of the Arp2/3 complex by WASL, and thereby plays a role in the reorganization of the F-actin cytoskeleton. Binds to membranes enriched in phosphatidylinositol 4,5-bisphosphate and promotes membrane tubulation. Has lower affinity for membranes enriched in phosphatidylinositol 3- phosphate.
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 Note=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
Tissue Location	Widely expressed, with highest levels in heart and placenta, and lowest levels

in thymus and peripheral blood leukocytes

Background

Swiss-Prot Acc.Q9Y5X1.Sorting nexin-9

Images



Western blot detection of SH3PX1 in K562,Hela cell lysates using SH3PX1 Rabbit pAb(1:1000 diluted).Predicted band size:67kDa.Observed band size:67kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.