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SNX17 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16064a

Product Information

Application	WB, E
Primary Accession	Q15036
Other Accession	Q6AYS6, Q8BVL3, Q5EA77, NP_055563.1
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB35353
Calculated MW	52901
Antigen Region	53-82

Additional Information

Gene ID	9784
Other Names	Sorting nexin-17, SNX17, KIAA0064
Target/Specificity	This SNX17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 53-82 amino acids from the N-terminal region of human SNX17.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	SNX17 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SNX17
Synonyms	KIAA0064
Function	Critical regulator of endosomal recycling of numerous surface proteins,

	including integrins, signaling receptor and channels (PubMed:15121882, PubMed:15769472, PubMed:39587083). Binds to NPxY sequences in the cytoplasmic tails of target cargos (PubMed:21512128). Associates with retriever and CCC complexes to prevent lysosomal degradation and promote cell surface recycling of numerous cargos such as integrins ITGB1, ITGB5 and their associated alpha subunits (PubMed:22492727, PubMed:28892079, PubMed:39587083). Also required for maintenance of normal cell surface levels of APP and LRP1 (PubMed:16712798, PubMed:19005208). Interacts with membranes containing phosphatidylinositol 3-phosphate (PtdIns(3P)) (PubMed:16712798).
Cellular Location	Cytoplasm. Early endosome. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side

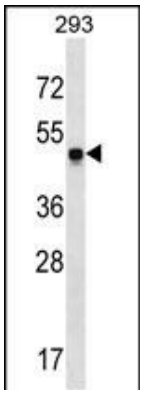
Background

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 contains a B41 domain. This protein interacts with the cytoplasmic domain of P-selectin, and may function in the intracellular trafficking of P-selectin. [provided by RefSeq].

References

Lee, J., et al. J. Biol. Chem. 283(17):11501-11508(2008)
Wu, C., et al. Proteomics 7(11):1775-1785(2007)
Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Czubayko, M., et al. Biochem. Biophys. Res. Commun. 345(3):1264-1272(2006)
van Kerkhof, P., et al. EMBO J. 24(16):2851-2861(2005)

Images



SNX17 Antibody (N-term) (Cat. #AP16064a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the SNX17 antibody detected the SNX17 protein (arrow).

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