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SNX13 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12244b

Product Information

Application	WB, E
Primary Accession	Q9Y5W8
Other Accession	Q6PHS6, NP_055947.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32232
Calculated MW	112189
Antigen Region	780-807

Additional Information

Gene ID	23161
Other Names	Sorting nexin-13, RGS domain- and PHOX domain-containing protein, RGS-PX1, SNX13, KIAA0713
Target/Specificity	This SNX13 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 780-807 amino acids from the C-terminal region of human SNX13.
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	SNX13 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SNX13
Synonyms	KIAA0713

Function	May be involved in several stages of intracellular trafficking. May play a role in endosome homeostasis (By similarity). Acts as a GAP for Galphas.
Cellular Location	Early endosome membrane; Peripheral membrane protein; Cytoplasmic side

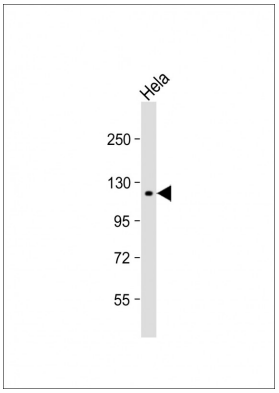
Background

This gene encodes a PHOX domain- and RGS domain-containing protein that belongs to the sorting nexin (SNX) family and the regulator of G protein signaling (RGS) family. The PHOX domain is a phosphoinositide binding domain, and the SNX family members are involved in intracellular trafficking. The RGS family members are regulatory molecules that act as GTPase activating proteins for G alpha subunits of heterotrimeric G proteins. The RGS domain of this protein interacts with G alpha(s), accelerates its GTP hydrolysis, and attenuates G alpha(s)-mediated signaling. Overexpression of this protein delayes lysosomal degradation of the epidermal growth factor receptor. Because of its bifunctional role, this protein may link heterotrimeric G protein signaling and vesicular trafficking.

References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Hillman, R.T., et al. Genome Biol. 5 (2), R8 (2004) :
Worby, C.A., et al. Nat. Rev. Mol. Cell Biol. 3(12):919-931(2002)
Kosan, C., et al. Cytogenet. Genome Res. 97 (3-4), 167-170 (2002) :
Zheng, B., et al. Science 294(5548):1939-1942(2001)

Images



Anti-SNX13 Antibody (C-term) at 1:1000 dilution + Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 112 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Citations

- CRISPR screens for lipid regulators reveal a role for ER-bound SNX13 in lysosomal cholesterol export