



Datasheet for ABIN2856322

anti-SNX18 antibody (C-Term)



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1 Publication

Overview

Quantity:	100 µL
Target:	SNX18
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SNX18 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human SNX18. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to SNX18 (sorting nexin 18) SNX18 antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	SNX18
Alternative Name:	sorting nexin 18 (SNX18 Products)
Background:	<p>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 SH3 domain. Multiple transcript variants encoding different isoforms have been found for this gene.</p> <p>Cellular Localization: Endomembrane system, Peripheral membrane protein, Cytoplasmic side</p>
Molecular Weight:	69 kDa
Gene ID:	112574
UniProt:	Q96RF0

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: H1299 , HeLa Validation: KO/KD
Restrictions:	For Research Use only

Handling

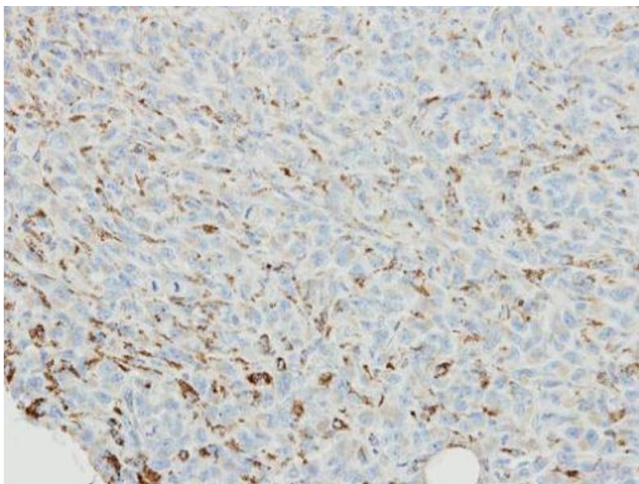
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

multiple freeze-thaw cycles.

Publications

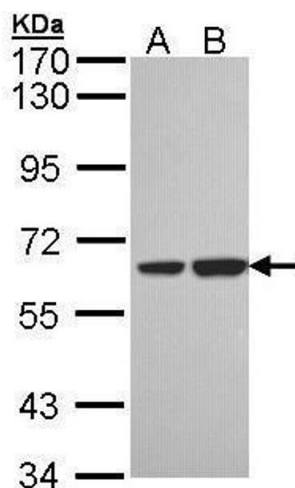
Product cited in: Sprenger, Wani, Hesseling, König, Patron, MacVicar, Ahola, Wai, Barth, Rugarli, Bergami, Langer: "Loss of the mitochondrial i-AAA protease YME1L leads to ocular dysfunction and spinal axonopathy." in: **EMBO molecular medicine**, Vol. 11, Issue 1, (2019) ([PubMed](#)).

Images



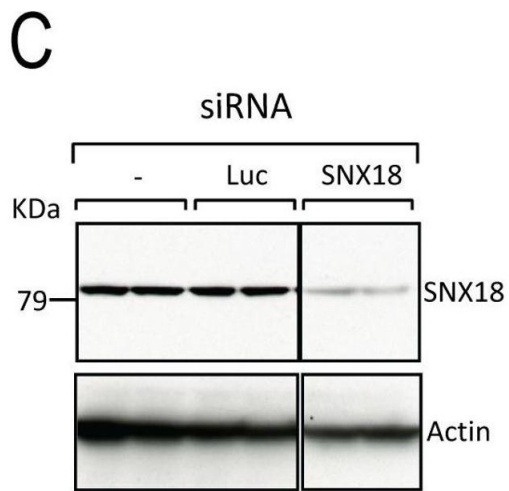
Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded MDAMB231 xenograft, using SNX18, antibody at 1:500 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: H1299 B: HeLa 7.5% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. SNX9 depletion phenocopies CHC depletion during mitosis. HeLa cells were either untreated (-), or transfected with luciferase siRNA (Luc) or siRNA targeting CHC (A), SNX9 (B), SNX18(C) and SNX33 (D). At 72 h post-transfection, protein lysates (200 µg) were immunoblotted with anti-CHC, anti-SNX9, anti-SNX18 and anti-SNX33 antibodies respectively. Actin was used as a loading control. (E-G) HeLa cells were treated with siRNA targeting Luc, CHC, SNX9, SNX18 and SNX33 and visualised by time-lapse microscopy. Graphs show the time that each individual cell took to undergo mitosis ($n > 100$ per sample, E) as well as the following mitotic transitions: prophase to anaphase (F), and anaphase to completion (G). Pro, prophase, Ana, anaphase, Comp, completion. Data shown in E-G are from one representative experiment. Similar results were obtained in at least two independent experiments. The median time per sample is represented by a solid black line. ***, $p < 0.001$ (One-way ANOVA). - figure provided by CiteAb. Source: PMID23861900