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Datasheet for ABIN968465 anti-Sorting Nexin 2 antibody (AA 15-137)

3 Images

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Overview

Quantity:	50 µg
Target:	Sorting Nexin 2 (SNX2)
Binding Specificity:	AA 15-137
Reactivity:	Human, Dog
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Sorting Nexin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Human SNX2 aa. 15-137
Clone:	13-SNX2
Isotype:	lgG1
Cross-Reactivity:	Dog (Canine)
Characteristics:	 Since applications vary, each investigator should titrate the reagent to obtain optimal results. Please refer to us for technical protocols. Source of all serum proteins is from USDA inspected abattoirs located in the United States. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
Purification:	The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity

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Target Details

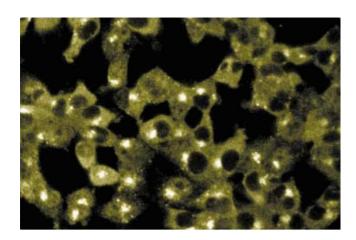
Target:	Sorting Nexin 2 (SNX2)
Alternative Name:	SNX2 (SNX2 Products)
Background:	Biological processes such as transmembrane signaling and receptor mediated endocytosis
	revolve around the function of cell surface receptors. A network of molecular machinery directs
	the intracellular trafficking of receptors during their biosynthesis and mediates signaling
	downstream of receptors. The sorting nexins (SNX1, SNX1A, SNX2, SNX3, and SNX4) are a
	family of intracellular proteins that are thought to direct the sorting of receptor proteins. The
	SNX proteins contain a conserved 100 amino acid region termed the phox homology (PX)
	domain and are part of a family of hydrophilic proteins which includes S. cerevisiae proteins
	that function in protein sorting. SNX1, SNX2, and SNX4 associate predominantly with
	membranes and bind transmembrane receptors such as those for EGF, PDGF, and insulin.
	SNX1 directs the EGF receptor to the lysosomes for degradation. SNX2 forms homomeric
	complexes and heteromeric complexes with SNX1, SNX1A, and SNX4. These complexes are
	thought to be necessary for efficient protein sorting. Thus, SNX2 and other sorting nexins are
	thought to play important roles in the specificity of protein trafficking to and from the plasma
	membrane. This antibody is routinely tested by western blot analysis.
	Synonyms: Sorting Nexin-2
Molecular Weight:	72 kDa
Application Details	
Comment:	Related Products: ABIN968536, ABIN967389
Restrictions:	For Research Use only
Handling	
Format:	Liquid
	250 μg/mL
Concentration:	
	Aqueous buffered solution containing BSA, glycerol, and ≤ 0.09 % sodium azide.
Concentration: Buffer: Preservative:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09 % sodium azide. Sodium azide

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Handling	
	should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store undiluted at -20° C.
Publications	
Product cited in:	Haft, de la Luz Sierra, Barr, Haft, Taylor: "Identification of a family of sorting nexin molecules and characterization of their association with receptors." in: Molecular and cellular biology , Vol. 18, Issue 12, pp. 7278-87, (1998) (PubMed).
	Kurten, Cadena, Gill: "Enhanced degradation of EGF receptors by a sorting nexin, SNX1." in:

Science (New York, N.Y.), Vol. 272, Issue 5264, pp. 1008-10, (1996) (PubMed).

Images



Immunofluorescence

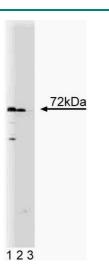
Image 1. Immunofluorescence staining of ES-2 cells (Human ovary clear cell carcinoma, ATCC CRL-1978).

Image 2.

Generated from human SNX2



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Western Blotting

Image 3. Western blot analysis of SNX2 on a human endothelial cell lysate. Lane 1: 1:500, lane 2: 1:1000, lane 3: 1:2000 dilution of the mouse anti- SNX2 antibody.

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