

SNX1 Polyclonal Antibody

Catalog NumberPA5-19239

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human
Host/Isotope	Goat / IgG	<div><div>Tested Applications</div><div>Dilution *</div></div>	
Class	Polyclonal		
Type	Antibody		
Immunogen	Synthetic peptide sequence (TNSSKPQPTYEELE) corresponding to the internal amino acids of SNX1		
Conjugate	Unconjugated	<div>* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.</div>	
Form	Liquid		
Concentration	0.5 mg/mL		
Purification	Ammonium sulfate precipitation		
Storage buffer	TBS, pH 7.3, with 0.5% BSA		
Contains	0.02% sodium azide		
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles		

Product specific information

This antibody is predicted to react with bovine, canine, mouse and rat based on sequence homology. This antibody is tested in Peptide ELISA: antibody detection limit dilution 64,000.

Background/Target Information

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 endosomal protein regulates the cell-surface expression of epidermal growth factor receptor. This protein also has a role in sorting protease-activated receptor-1 from early endosomes to lysosomes. This protein may form oligomeric complexes with family members. This gene results in three transcript variants encoding distinct isoforms.

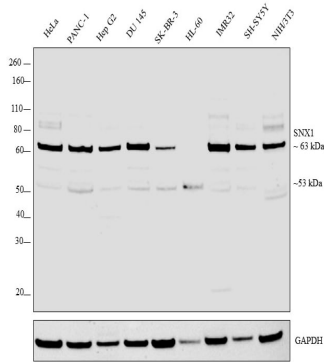
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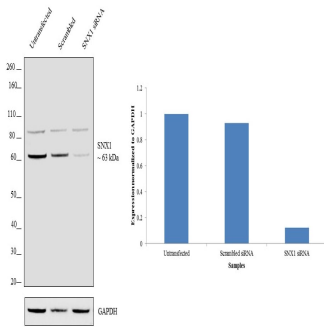
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Product Images For SNX1 Polyclonal Antibody



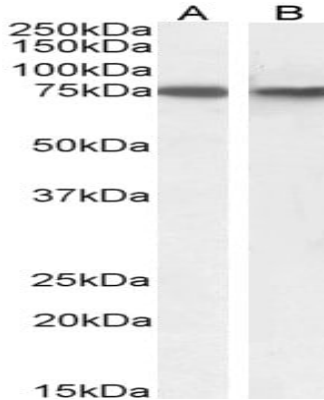
SNX1 Antibody (PA5-19239) in WB

Western blot was performed using Anti-SNX1 Goat Polyclonal Antibody (Product # PA5-19239) and a 63 kDa band corresponding to SNX1 was observed across cell lines tested. Membrane enriched cell extracts (30 µg lysate) of HeLa (Lane 1), PANC-1 (Lane 2), Hep G2 (Lane 3), DU 145 (Lane 4), SK-BR-3 (Lane 5), HL-60 (Lane 6), IMR32 (Lane 7), SH-SY5Y (Lane 8) and NIH/3T3 (Lane 9) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1 µg /mL) and detected by chemiluminescence Rabbit Anti-Goat IgG Secondary Antibody, HRP conjugate (Product # A27014, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



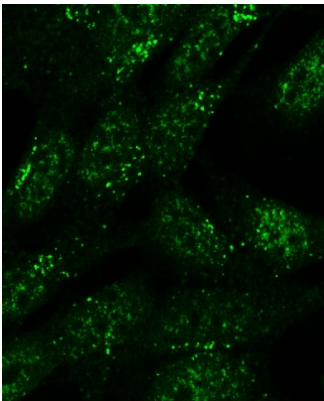
SNX1 Antibody (PA5-19239)

Antibody specificity was demonstrated by siRNA mediated KD of target protein. HeLa cells were transfected with SNX1 siRNA and reduction of signal was observed in Western Blot using SNX1 Polyclonal Antibody (Product # PA5-19239). {KD}



SNX1 Antibody (PA5-19239) in WB

Western blot analysis of SNX1 using SNX1 Polyclonal Antibody (Product # PA5-19239) (1 µg/mL) in staining of HeLa (A) and (0.1 µg/mL) U2OS (B) cell lysate (35 µg protein in RIPA buffer).. Detected by chemiluminescence.



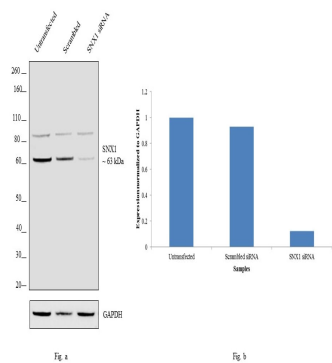
SNX1 Antibody (PA5-19239) in ICC/IF

Immunocytochemistry analysis of SNX1 using SNX1 Polyclonal Antibody (Product # PA5-19239) in formaldehyde-fixed SHSY5Y and detected with Alexa 488 in confocal microscopy. Data obtained from Dr. Schallburg Nielsen, Aarhus University Denmark.

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SNX1 Antibody (PA5-19239) in WB

KD of SNX1 was achieved by transfecting HeLa with SNX1 specific siRNAs (Silencer® select Product # s13257, s13526). Western blot analysis (Fig. a) was performed using membrane enriched cell extracts from the SNX1 KD cells (Lane 3), non-specific scrambled siRNA transfected cells (Lane 2) and untransfected cells (Lane 1). The blot was probed with SNX1 Polyclonal Antibody (Product # PA5-19239, 1 µg/mL) and Rabbit anti-Goat IgG Heavy Chain Superclonal™ Secondary Antibody, HRP conjugate (Product # A27014, 0.25µg/mL, 1:4000 dilution). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to SNX1.

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