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SNX1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SNX1.
Catalog # AT3984a

Product Information

Application	WB, IHC, E
Primary Accession	Q13596
Other Accession	NM_003099
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	6H1
Calculated MW	59070

Additional Information

Gene ID	6642
Other Names	Sorting nexin-1, SNX1
Target/Specificity	SNX1 (NP_003090, 166 a.a. ~ 275 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SNX1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

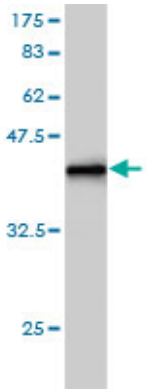
This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This endosomal protein regulates the cell-surface expression of epidermal growth factor receptor. This 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.

References

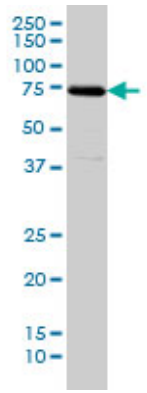
Regulation of P2Y1 receptor traffic by sorting Nexin 1 is retromer independent. Nisar S, et al. Traffic, 2010

Apr. PMID 20070609.SNX1 defines an early endosomal recycling exit for sortilin and mannose 6-phosphate receptors. Mari M, et al. Traffic, 2008 Mar. PMID 18088323.EGF induces macropinocytosis and SNX1-modulated recycling of E-cadherin. Bryant DM, et al. J Cell Sci, 2007 May 15. PMID 17502486.Sorting nexin 1 down-regulation promotes colon tumorigenesis. Nguyen LN, et al. Clin Cancer Res, 2006 Dec 1. PMID 17145813.Interchangeable but essential functions of SNX1 and SNX2 in the association of retromer with endosomes and the trafficking of mannose 6-phosphate receptors. Rojas R, et al. Mol Cell Biol, 2007 Feb. PMID 17101778.

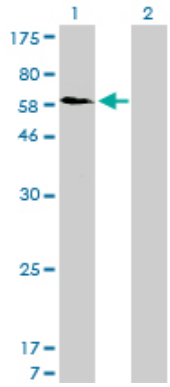
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .

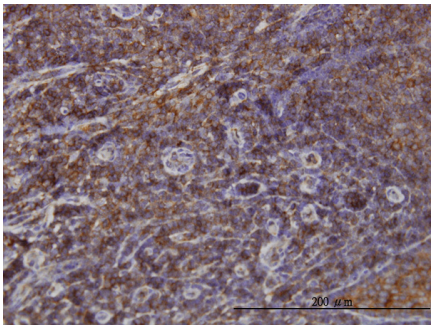


SNX1 monoclonal antibody (M01), clone 6H1 Western Blot analysis of SNX1 expression in HeLa ((Cat # AT3984a)

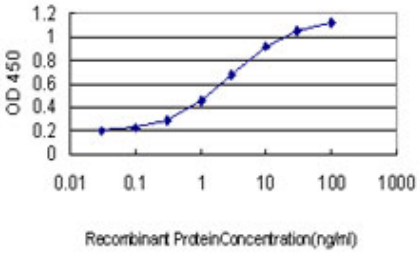


Western Blot analysis of SNX1 expression in transfected 293T cell line by SNX1 monoclonal antibody (M01), clone 6H1.

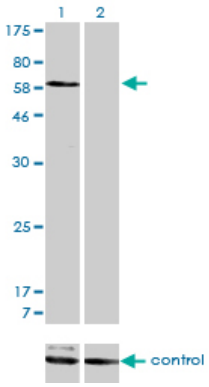
Lane 1: SNX1 transfected lysate(59.1 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to SNX1 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged SNX1 is approximately 0.03ng/ml as a capture antibody.



Western blot analysis of SNX1 over-expressed 293 cell line, cotransfected with SNX1 Validated Chimera RNAi ((Cat # AT3984a)

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