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SYNJ1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SYNJ1.
Catalog # AT4123a

Product Information

Application	WB, E
Primary Accession	O43426
Other Accession	NM_003895
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1A2
Calculated MW	173103

Additional Information

Gene ID	8867
Other Names	Synaptojanin-1, Synaptic inositol 1, 5-trisphosphate 5-phosphatase 1, SYNJ1, KIAA0910
Target/Specificity	SYNJ1 (NP_003886, 1474 a.a. ~ 1573 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	SYNJ1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

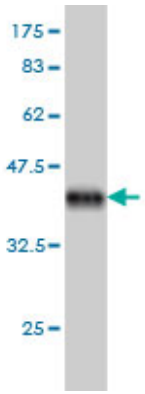
Synaptojanin 1 is a phosphoinositide phosphatase that regulates levels of membrane phosphatidylinositol-4,5-bisphosphate. As such, expression of this enzyme may affect synaptic transmission and membrane trafficking.

References

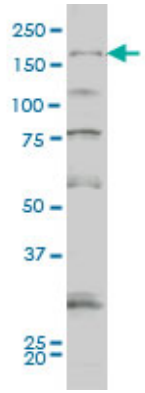
Alternative splicing affecting the SH3A domain controls the binding properties of intersectin 1 in neurons. Tsyba L, et al. Biochem Biophys Res Commun, 2008 Aug 8. PMID 18539136.Root hair defective4 encodes a phosphatidylinositol-4-phosphate phosphatase required for proper root hair development in Arabidopsis

thaliana. Thole JM, et al. Plant Cell, 2008 Feb. PMID 18281508.Two synaptojanin 1 isoforms are recruited to clathrin-coated pits at different stages. Perera RM, et al. Proc Natl Acad Sci U S A, 2006 Dec 19. PMID 17158794.Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.SNX9 as an adaptor for linking synaptojanin-1 to the Cdc42 effector ACK1. Yeow-Fong L, et al. FEBS Lett, 2005 Sep 12. PMID 16137687.

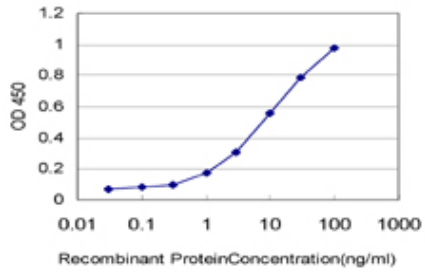
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



SYNJ1 monoclonal antibody (M01), clone 1A2 Western Blot analysis of SYNJ1 expression in Hela S3 NE ((Cat # AT4123a)



Detection limit for recombinant GST tagged SYNJ1 is approximately 0.3ng/ml as a capture antibody.

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