10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SYNJ2 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant SYNJ2.
Catalog # AT4124a

Product Information

Application	WB
Primary Accession	O15056
Other Accession	NM_003898
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2H8
Calculated MW	165538

Additional Information

Gene ID	8871
Other Names	Synaptojanin-2, Synaptic inositol 1, 5-trisphosphate 5-phosphatase 2, SYNJ2, KIAA0348
Target/Specificity	SYNJ2 (NP_003889, 1396 a.a. ~ 1495 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
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	SYNJ2 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

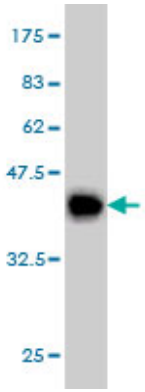
The gene is a member of the inositol-polyphosphate 5-phosphatase family. The encoded protein interacts with the ras-related C3 botulinum toxin substrate 1, which causes translocation of the encoded protein to the plasma membrane where it inhibits clathrin-mediated endocytosis. Alternative splicing results in multiple transcript variants.

References

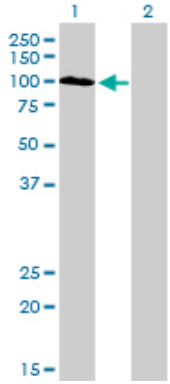
Role of the guanine nucleotide exchange factor Ost in negative regulation of receptor endocytosis by the small GTPase Rac1. Ieguchi K, et al. J Biol Chem, 2007 Aug 10. PMID 17562712.Systematic identification of

SH3 domain-mediated human protein-protein interactions by peptide array target screening. Wu C, et al. Proteomics, 2007 Jun. PMID 17474147.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.Identification of inactivating mutations in the JAK1, SYNJ2, and CLPTM1 genes in prostate cancer cells using inhibition of nonsense-mediated decay and microarray analysis. Rossi MR, et al. Cancer Genet Cytogenet, 2005 Sep. PMID 16102578.Targeted proteomic analysis of 14-3-3 sigma, a p53 effector commonly silenced in cancer. Benzinger A, et al. Mol Cell Proteomics, 2005 Jun. PMID 15778465.

Images

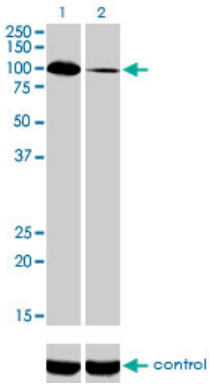


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of SYNJ2 expression in transfected 293T cell line by SYNJ2 monoclonal antibody (M02), clone 2H8.

Lane 1: SYNJ2 transfected lysate(92.2 KDa).
Lane 2: Non-transfected lysate.



Western blot analysis of SYNJ2 over-expressed 293 cell line, cotransfected with SYNJ2 Validated Chimera RNAi ((Cat # AT4124a)