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SYNJ1 Antibody (monoclonal) (M01)

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

Specification

SYNJ1 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	O43426
Other Accession	NM_003895
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**173103**

SYNJ1 Antibody (monoclonal) (M01) - 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

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.

SYNJ1 Antibody (monoclonal) (M01) - Protocols

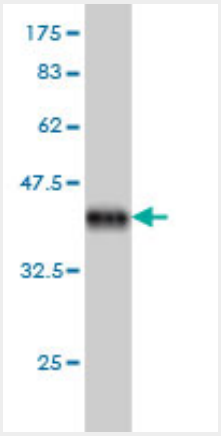
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

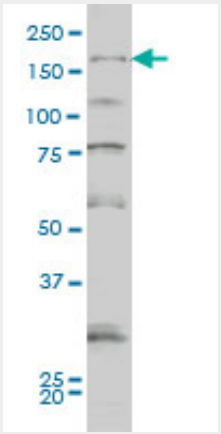
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

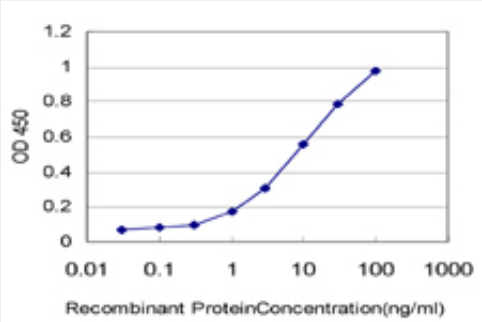
SYNJ1 Antibody (monoclonal) (M01) - Images



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.

SYNJ1 Antibody (monoclonal) (M01) - 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.

SYNJ1 Antibody (monoclonal) (M01) - 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.