

Product datasheet

Anti-Synaptojanin antibody [AC1] ab24591

★★★★★ [1 Abreviews](#) [5 References](#) [1 Image](#)

Overview

Product name	Anti-Synaptojanin antibody [AC1]
Description	Mouse monoclonal [AC1] to Synaptojanin
Host species	Mouse
Specificity	ab24591 is specific for rat synsptojanin 1 protein. It may cross-react only very weakly with human synaptojanin 1. ab24591 does not cross react with mouse.
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Rat
Immunogen	Recombinant fragment, corresponding to C terminal amino acids 1156-1286 of Rat Synaptojanin
General notes	<p>The C-terminal proline-rich region of Synaptojanin 1 mediates binding to a variety of SH3 domain-containing proteins including AMPH, SH3GL1, SH3GL2, SH3GL3 and GRB2.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Primary antibody notes	The C-terminal proline-rich region of Synaptojanin 1 mediates binding to a variety of SH3 domain-containing proteins including AMPH, SH3GL1, SH3GL2, SH3GL3 and GRB2.
Clonality	Monoclonal

Clone number AC1
Isotype unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab24591 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★☆ (1)	1/20 - 1/100.

Target

Function Inositol 5-phosphatase which has a role in clathrin-mediated endocytosis.

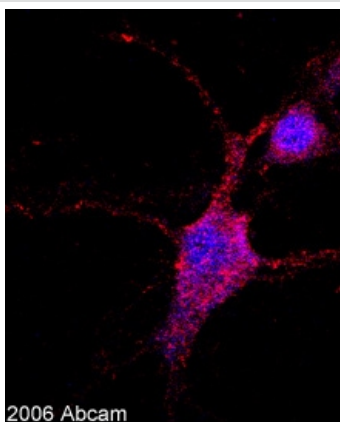
Tissue specificity Concentrated at clathrin-coated endocytic intermediates in nerve terminals. Isoform 1 is more enriched than isoform 2 in developing brain as well as non-neuronal cells. Isoform 2 is very abundant in nerve terminals.

Sequence similarities Belongs to the synaptojanin family.
In the central section; belongs to the inositol-1,4,5-trisphosphate 5-phosphatase family.
Contains 1 RRM (RNA recognition motif) domain.
Contains 1 SAC domain.

Domain Binds to EPS15 (a clathrin coat-associated protein) via a C-terminal domain containing three Asn-Pro-Phe (NPF) repeats.
The C-terminal proline-rich region mediates binding to a variety of SH3 domain-containing proteins including AMPH, SH3GL1, SH3GL2, SH3GL3 and GRB2.

Cellular localization Cytoplasm.

Images



Immunofluorescence staining using Mouse monoclonal [AC1] to Synaptojanin - Synaptic Marker (ab24591; 30 µg/ml) on rat Hippocampal neuron culture (paraformadleyde fixed - see review). Confocal image showing blue nuclear counterstain.

Immunocytochemistry/ Immunofluorescence - Anti-Synaptojanin antibody [AC1] (ab24591)

This image is courtesy of Randal Moldrich, CNRS UMR7637, ESPCI, France

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