

Datasheet for ABIN1390912 **anti-Synaptojanin 2 antibody (AA 401-500) (Alexa Fluor 488)**

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Overview

Quantity:	100 µL
Target:	Synaptojanin 2 (SYNJ2)
Binding Specificity:	AA 401-500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synaptojanin 2 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Synaptojanin 2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	Synaptojanin 2 (SYNJ2)
Alternative Name:	Synaptojanin 2 (SYNJ2 Products)
Background:	Synonyms: 5-trisphosphate 5-phosphatase 2, Inositol phosphate 5' phosphatase 2, INPP 5H,

Target Details

INPP5H, KIAA0348, MGC44422, SJ2, Synaptic inositol 1 4 5 trisphosphate 5 phosphatase 2, Synaptic inositol-1, Synaptojanin-2, Synaptojanin2, SYNJ 2, Synj2, SYNJ2_HUMAN.

Background: The inositol polyphosphate 5-phosphatases selectively remove the phosphate from the 5-position of various phosphatidylinositols, which generate second messengers in response to extracellular signals. Synaptojanins are characterized by an N-terminal SAC1-like sequence, a central 5-phosphate domain, and a unique C-terminal sequence and have been shown to use phosphatidylinositol 4,5-bisphosphate as a substrate. Synaptojanins exist as two isoforms, synaptojanin 1 and 2, which differ in the C-terminal domain, and each isoform has multiple variants produced by alternative splicing. Synaptojanin 1 is expressed as two major forms: the shorter is found in brain while the longer is expressed in peripheral tissues. Eight splice variants of synaptojanin 2 have been detected, including a brain specific isoform. Synaptojanins are thought to participate in the endocytosis of synaptic vesicles and the regulation of the actin cytoskeleton.

Gene ID: 8871

Pathways: [Inositol Metabolic Process](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months