

Datasheet for ABIN1408805

## **anti-Synaptojanin 2 antibody (AA 401-500) (Cy5.5)**



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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 Cy5.5                                                                            |
| 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 ( <a href="#">SYNJ2 Products</a> )                                        |
| 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

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Expiry Date: 12 months