

Datasheet for ABIN1386543  
**anti-Synaptojanin 1 antibody (AA 481-580)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	100 µL
Target:	Synaptojanin 1 (SYNJ1)
Binding Specificity:	AA 481-580
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Synaptojanin 1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Synaptojanin/INPP5G
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Horse
Purification:	Purified by Protein A.

## Target Details

Target:	Synaptojanin 1 (SYNJ1)
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## Target Details

Alternative Name:	Synaptojanin 1 ( <a href="#">SYNJ1 Products</a> )
Background:	<p>Synonyms: 5-trisphosphate 5-phosphatase 1, Inositol 5' phosphatase, INPP 5G, INPP5G, KIAA0910, Polyphosphoinositide phosphatase, Synaptic inositol 1 4 5 trisphosphate 5 phosphatase 1, Synaptic inositol 145 trisphosphate 5 phosphatase 1, Synaptic inositol-1 antibody Synaptic inositol-145-trisphosphate 5-phosphatase 1, Synaptojanin 1, Synaptojanin 1 polyphosphoinositide phosphatase, Synaptojanin-1, Synaptojanin1, Synj 1, Synj1, SYNJ1_HUMAN.</p> <p>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.</p>
Gene ID:	8867
Pathways:	<a href="#">Inositol Metabolic Process</a> , <a href="#">Synaptic Vesicle Exocytosis</a>

## Application Details

Application Notes:	ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

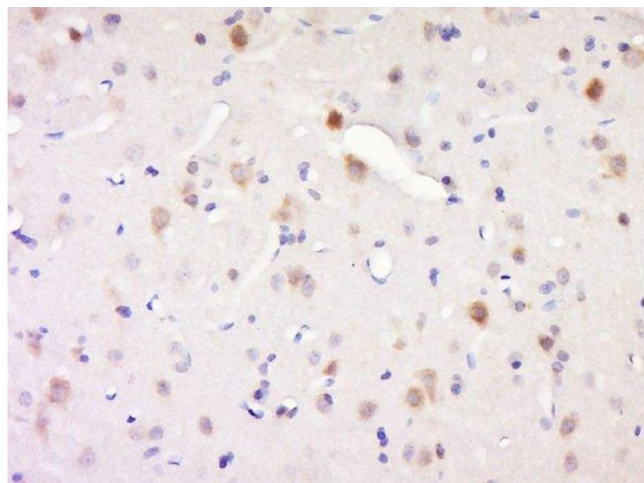
## Handling

Format:	Liquid
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## Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Paraformaldehyde-fixed, paraffin embedded rat brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with Synaptojanin 1 Antibody, Unconjugated at 1:200 overnight at 4°C, followed by a conjugated secondary and DAB staining.