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Datasheet for ABIN5011232

anti-Synaptojanin 1 antibody (AA 481-580) (Alexa Fluor 750)

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 conjugated to Alexa Fluor 750
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (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)
Alternative Name:	Synaptojanin 1 (SYNJ1 Products)

Target Details

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>
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Gene ID:	8867
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Pathways:	Inositol Metabolic Process , Synaptic Vesicle Exocytosis
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Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 µg/µL
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Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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Preservative:	ProClin
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Handling

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.
Expiry Date:	12 months