

[Go to Product page](#)

Datasheet for ABIN1390909

anti-Synaptojanin 1 antibody (AA 481-580) (Biotin)

Overview

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| 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 Biotin |
| Application: | ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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| 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

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| Target: | Synaptojanin 1 (SYNJ1) |
| Alternative Name: | Synaptojanin 1 (SYNJ1 Products) |

Target Details

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| 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 |
| Pathways: | Inositol Metabolic Process , Synaptic Vesicle Exocytosis |

Application Details

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| Application Notes: | IHC-P 1:200-400 IHC-F 1:100-500 |
| Restrictions: | For Research Use only |

Handling

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| 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 |

Handling

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| | handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20°C for 12 months. |
| Expiry Date: | 12 months |