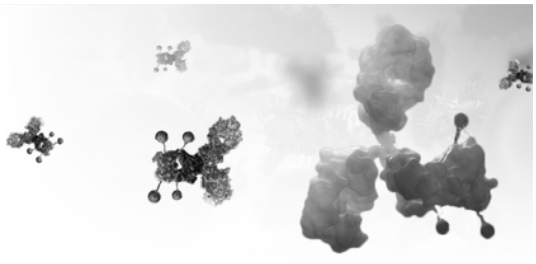

Rat SYNJ1 blocking peptide (DAG-P1201)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	has inositol 5-phosphatase activity; interacts with dynamin to play a role in synaptic vesicle recycling
Specificity	Concentrated at clathrin-coated endocytic intermediates in nerve terminals. Isoform 1 is more enriched than isoform 2 in developing brain as well as non-neuronal cells. Isoform 2 is very abundant in nerve terminals.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the synaptojanin family.In the central section; belongs to the inositol-1,4,5-trisphosphate 5-phosphatase family.Contains 1 RRM (RNA recognition motif) domain.Contains 1 SAC domain.
Format	Liquid
Buffer	Information available upon request.
Preservative	None
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	Synj1 synaptojanin 1 [Rattus norvegicus (Norway rat)]
Official Symbol	SYNJ1
Synonyms	SYNJ1; synaptojanin 1; synaptojanin-1; synaptic inositol 1,4,5-trisphosphate 5-phosphatase 1;

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	synaptic inositol-1,4,5-trisphosphate 5-phosphatase 1;
Entrez Gene ID	85238
mRNA Refseq	NM_053476.2
Protein Refseq	NP_445928.2
UniProt ID	Q62910
Chromosome Location	11q11
Pathway	Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PI Metabolism, organism-specific biosystem; Phosphatidylinositol signaling system, organism-specific biosystem; Phosphatidylinositol signaling system, conserved biosystem; Phospholipid metabolism, organism-specific bios
Function	RNA binding; SH3 domain binding; SH3 domain binding; nucleic acid binding; nucleotide binding; phosphatidylinositol phosphate 5-phosphatase activity; phosphatidylinositol phosphate 5-phosphatase activity; phosphatidylinositol-4,5-bisphosphate 5-phosphatas

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