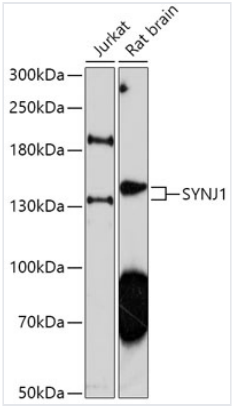
SYNJ1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SYNJ1, Polyclonal Antibody
Full Product Name	SYNJ1 Polyclonal Antibody
Product Gene Name	anti-SYNJ1 antibody
Product Synonym Names	EIEE53; INPP5G; PARK20
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	PBS with 50% glycerol, pH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	173,103 Da
Chromosome Location	Chromosome: 21; NC_000021.8 (33997269..34100351, complement). Location: 21q22.2
OMIM	604297
3D Structure	ModBase 3D Structure for O43426
Immunogen	A synthetic peptide of human SYNJ1 (NP_003886.3).
Conjugation	Unconjugated
Product Categories/Family for anti-SYNJ1 antibody	Total protein Ab
Applications Tested/Suitable for anti-SYNJ1 antibody	Western Blot (WB)
Application Notes for anti-SYNJ1 antibody	WB: 1:500-1:2000
Related Product Information for anti-SYNJ1 antibody	This gene encodes a phosphoinositide phosphatase that regulates levels of membrane phosphatidylinositol-4, 5-bisphosphate. As such, expression of this enzyme may affect synaptic transmission and membrane trafficking. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]
Other Notes	Small volumes of anti-SYNJ1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SYNJ1 purchase	MBS9433216 is an antibody targeting SYNJ1. Also known as SYNJ1 Polyclonal Antibody. Reactive in Human, Rat. Host: Rabbit.



Western Blot (WB) of anti-SYNJ1 antibody
Western blot analysis of extracts of various cell lines, using SYNJ1 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SYNJ1. It may not necessarily be applicable to this product.

NCBI GI #	237757310
NCBI GeneID	8867
NCBI Accession #	NP_003886.3
UniProt Primary Accession #	O43426
UniProt Secondary Accession #	O43425; O94984; Q4KMR1
UniProt Related Accession #	O43426
GenBank Nucleotide #	NM_003895.3
NCBI Official Full Name	synaptojanin-1 isoform a
NCBI Official Synonym Full Names	synaptojanin 1
NCBI Official Symbol	SYNJ1
NCBI Official Synonym Symbols	INPP5G
UniProt Protein Name	Synaptojanin-1
UniProt Synonym Protein Names	Synaptic inositol-1,4,5-trisphosphate 5-phosphatase 1
Protein Family	Synaptojanin
UniProt Gene Name	SYNJ1
UniProt Synonym Gene Names	KIAA0910
UniProt Entry Name	SYNJ1_HUMAN
NCBI Protein Information	synaptojanin-1; inositol 5'-phosphatase (synaptojanin 1); synaptojanin-1, polyphosphoinositide phosphatase; synaptic inositol 1,4,5-trisphosphate 5-phosphatase 1; synaptic inositol-1,4,5-trisphosphate 5-phosphatase 1
NCBI Summary for SYNJ1	This gene encodes a phosphoinositide phosphatase that regulates levels of membrane phosphatidylinositol-4,5-bisphosphate. As such, expression of this enzyme may affect synaptic transmission and membrane trafficking. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

UniProt Comments for SYNJ1	SYNJ1: Inositol 5-phosphatase which has a role in clathrin- mediated endocytosis. Belongs to the synaptojanin family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Carbohydrate Metabolism - inositol phosphate; Phosphatase, lipid; Motility/polarity/chemotaxis; Vesicle; EC 3.1.3.36 Chromosomal Location of Human Ortholog: 21q22.2 Cellular Component: membrane coat; cytosol Molecular Function: RNA binding; phosphoinositide 5-phosphatase activity; nucleotide binding; inositol-polyphosphate 5-phosphatase activity Biological Process: inositol phosphate metabolic process; neurotransmitter transport; phospholipid metabolic process; inositol phosphate dephosphorylation; synaptic vesicle endocytosis; phosphatidylinositol biosynthetic process; synaptic vesicle transport; phosphoinositide dephosphorylation; synaptic vesicle uncoating; phosphatidylinositol metabolic process; synaptic vesicle priming; phosphate metabolic process Disease: Parkinson Disease 20, Early-onset
Research Articles on SYNJ1	**1.** Trisomy for SYNJ1 in Down syndrome is functionally linked to the enlargement of early endosomes.
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