SYNJ2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	SYNJ2, Monoclonal Antibody
Full Product Name	SYNJ2 (Synaptojanin 2, INPP5H, KIAA0348, MGC44422) (PE)
Product Gene Name	anti-SYNJ2 antibody
Product Synonym Names	Synaptojanin 2; INPP5H; KIAA0348; MGC44422
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	2B11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified
Specificity	Recognizes SYNJ2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recover of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	165kDa
OMIM	609410
3D Structure	ModBase 3D Structure for O15056
Immunogen	SYNJ2 (NP_003889, 1396aa-1495aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GTKAMKPEAAPLLGDYQDPFWNLLHHPKLLNNTWLSKSSDPLDSGTRSPKRDPIDPVSAGASAAKAELPPDHEHKTLGHWVTISDQEKRTALQVFDPLA
Conjugate	PE
Product Categories/Family for anti-SYNJ2 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-SYNJ2 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-SYNJ2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-SYNJ2 antibody	Synaptojanin-2 is a ubiquitously expressed inositol polyphosphate 5-phosphatase (Malecz et al., 2000 [PubMed 11084340]). [supplied by OMIM]

Other Notes	Small volumes of anti-SYNJ2 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 SYNJ2 purchase	MBS6185823 is an antibody targeting SYNJ2. Also known as SYNJ2 (Synaptojanin 2, INPP5H, KIAA0348, MGC44422) (PE). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SYNJ2. It may not necessarily be applicable to this product.

NCBI GI #	26190608
NCBI GeneID	8871
NCBI Accession #	NP_003889
UniProt Primary Accession #	O15056
UniProt Related Accession #	O15056
GenBank Nucleotide #	NM_003898
NCBI Official Full Name	synaptojanin-2 isoform 1
NCBI Official Synonym Full Names	synaptojanin 2
NCBI Official Symbol	SYNJ2
NCBI Official Synonym Symbols	INPP5H
UniProt Protein Name	Synaptojanin-2
UniProt Synonym Protein Names	Synaptic inositol 1,4,5-trisphosphate 5-phosphatase 2
Protein Family	Synaptojanin
UniProt Gene Name	SYNJ2
UniProt Synonym Gene Names	KIAA0348
UniProt Entry Name	SYNJ2_HUMAN
NCBI Protein Information	synaptojanin-2
NCBI Summary for SYNJ2	The gene is a member of the inositol-polyphosphate 5-phosphatase family. The encoded protein interacts with the ras-related C3 botulinum toxin substrate 1, which causes translocation of the encoded protein to the plasma membrane where it inhibits clathrin-mediated endocytosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]
Research Articles on SYNJ2	**1.** Results, combined with previous studies, suggest that rs9365723, located on SYNJ2, is associated with the risk of CRC in a Chinese population.
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