SYNPO2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SYNPO2, Polyclonal Antibody
Full Product Name	SYNPO2 Antibody
Product Gene Name	anti-SYNPO2 antibody
Product Synonym Names	SYNPO2
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification.
Specificity	The antibody detects endogenous levels of total SYNPO2 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	133,081 Da
3D Structure	ModBase 3D Structure for Q9UMS6
Immunogen	Synthetic peptide of human SYNPO2
Product Categories/Family for anti-SYNPO2 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SYNPO2 antibody	Immunohistochemistry (IHC)
Application Notes for anti-SYNPO2 antibody	IHC: 1:10-1:50
Related Product Information for anti-SYNPO2 antibody	Synaptopodin-2 is a protein that in humans is encoded by the SYNPO2 gene. Has an actin-binding and actin-bundling activity. Synaptopodin is a proline-rich, actin-associated protein expressed in mature dendritic spines and renal podocytes. Synaptopodin appears to play a role in the actin-based plasticity of spines by linking actin to the spine apparatus
Other Notes	Small volumes of anti-SYNPO2 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 SYNPO2 purchase	MBS8593761 is an antibody targeting SYNPO2. Also known as SYNPO2 Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SYNPO2. It may not necessarily be applicable to this product.

NCBI GI #	193083183
NCBI GeneID	171024

NCBI Accession #	NP_597734
UniProt Primary Accession #	Q9UMS6
UniProt Secondary Accession #	Q9UK89; B2RWP6; B2Y8J9; S5XAM4
UniProt Related Accession #	Q9UMS6
GenBank Nucleotide #	NM_133477.2
NCBI Official Full Name	synaptopodin-2 isoform a
NCBI Official Synonym Full Names	synaptopodin 2
NCBI Official Symbol	SYNPO2
UniProt Protein Name	Synaptopodin-2
UniProt Synonym Protein Names	Genethonin-2; Myopodin
Protein Family	Synaptopodin
UniProt Gene Name	SYNPO2
UniProt Entry Name	SYNP2_HUMAN
NCBI Protein Information	synaptopodin-2; myopodin; genethonin-2
UniProt Comments for SYNPO2	SYNPO2: Has an actin-binding and actin-bundling activity. Belongs to the synaptopodin family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Cytoskeletal Chromosomal Location of Human Ortholog: 4q26 Cellular Component: focal adhesion; Z disc; nucleus; actin cytoskeleton Molecular Function: protein binding; actin binding; muscle alpha-actinin binding
Research Articles on SYNPO2	**1.** myopodin is epigenetically modified in colon cancer
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