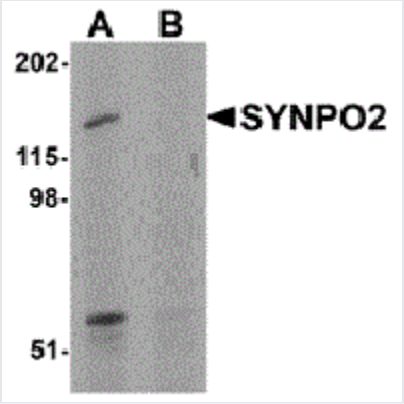
SYNPO2 Blocking Peptide

PRODUCT OVERVIEW

Product Name	SYNPO2, Blocking Peptide
Full Product Name	SYNPO2 Peptide
Product Gene Name	SYNPO2 blocking peptide
Product Synonym Names	Synaptopodin-2; Genethonin-2; synaptopodin 2
Form/Format	Liquid
Concentration	200 ug/mL (lot specific)
Preparation and Storage	Store SYNPO2 peptide at -20 degree C, stable for one year.
Antibody/Peptide Pairs	SYNPO2 peptide (MBS152451) is used for blocking the activity of SYNPO2 antibody (MBS150803)
Molecular Weight	133,081 Da
Species	Human
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Location	20 amino acids near the amino terminus of human SYNPO2.
Applications Tested/Suitable for SYNPO2 blocking peptide	Blocking (BL)
Application Notes for SYNPO2 blocking peptide	SYNPO2 peptide is used for blocking the activity of SYNPO2 antibody.
Related Product Information for SYNPO2 blocking peptide	MBS152451 is a blocking peptide targeting SYNPO2. Also known as SYNPO2 Peptide.
Other Notes	Small volumes of SYNPO2 blocking peptide 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.



Western Blot (WB) of SYNPO2 blocking peptide
Western blot analysis of SYNPO2 in human skeletal muscle tissue lysate with SYNPO2 antibody at 1 ?g/mL in (A) the absence and (B) the presence of blocking peptide.

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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