SYNPO2 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	SYNPO2, Blocking Peptide
Full Product Name	SYNPO2 Peptide - C-terminal region
Product Gene Name	SYNPO2 blocking peptide
Product Synonym Gene Name	DKFZp686G051
Sequence	FTFKEPKVSP NPELLSLLQN SEGKRGTGAG GDSGPEEDYL SLGAEACNFM
Species Reactivity	Human
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	SYNPO2 peptide (MBS3241458) is used for blocking the activity of SYNPO2 antibody (MBS3216559)
Molecular Weight	117kDa
Product Categories/Family for SYNPO2 blocking peptide	Peptide
Applications Tested/Suitable for SYNPO2 blocking peptide	Western Blot (WB)
Related Product Information for SYNPO2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-SYNPO2 Antibody, made Target Description: SYNPO2 has an actin-binding and actin-bundling activity.
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.
Searchable Terms for SYNPO2 purchase	MBS3241458 is a blocking peptide targeting SYNPO2. Also known as SYNPO2 Peptide - C-terminal region. Reactive in Human.

ADDITIONAL DETAILS

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

NCBI GI #	193083185
NCBI GeneID	171024
NCBI Accession #	NP_001122405
UniProt Primary Accession #	Q9UMS6
UniProt Related Accession #	Q9UMS6
GenBank Nucleotide #	NM_001128933
NCBI Official Full Name	synaptopodin-2 isoform b
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
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.** These findings uncover a suppressive role of SYNPO2 in triple-negative breast cancer (TNBC) metastasis via inhibition of YAP/TAZ, and suggest that SYNPO2 might provide a potential prognosis marker and novel therapeutic strategy.
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