TJP2 Peptide - C-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	TJP2, Blocking Peptide
Full Product Name	TJP2 Peptide - C-terminal region
Product Gene Name	TJP2 blocking peptide
Product Synonym Gene Name	MGC26306; X104; ZO-2; ZO2; DFNA51; DUP9q21.11; C9DUPq21.11
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	TJP2 peptide (MBS3231590) is used for blocking the activity of TJP2 antibody (MBS3206626)
Molecular Weight	118kDa
Product Categories/Family for TJP2 blocking peptide	Peptide
Applications Tested/Suitable for TJP2 blocking peptide	Western Blot (WB)
Related Product Information for TJP2 blocking peptide	This is a synthetic peptide designed for use in combination with anti-TJP2 antibody made Target Description: Tight junction proteins (TJPs) belong to a family of membrane-associated guanylate kinase (MAGUK) homologs that are involved in the organization of epithelial and endothelial intercellular junctions. TJPs bind to the cytoplasmic C termini of junctional transmembrane proteins and link them to the actin cytoskeleton.Tight junction proteins (TJPs) belong to a family of membrane-associated guanylate kinase (MAGUK) homologs that are involved in the organization of epithelial and endothelial intercellular junctions. TJPs bind to the cytoplasmic C termini of junctional transmembrane proteins and link them to the actin cytoskeleton.[supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-260 BC027592.1 10-269 261-1975 BC027592.1 270-1984 1976-2543 L27476.1 1855-2422 2544-3142 BC028426.1 2440-3038 3143-4160 L27476.1 3467-4484 4161-4177 BC028426.1 4056-4072
Other Notes	Small volumes of TJP2 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 TJP2 purchase	MBS3231590 is a blocking peptide targeting TJP2. Also known as TJP2 Peptide - C-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TJP2. It may not necessarily be applicable to this product.

NCBI GI #	42518065
NCBI GeneID	9414
NCBI Accession #	NP_963923
UniProt Primary Accession #	A2A3H9
UniProt Related Accession #	Q9UDY2
GenBank Nucleotide #	NM_201629
NCBI Official Full Name	tight junction protein ZO-2 isoform 2

NCBI Official Synonym Full Names	tight junction protein 2
NCBI Official Symbol	TJP2
NCBI Official Synonym Symbols	ZO2; X104; PFIC4; DFNA51; DUP9q21.11; C9DUPq21.11
Protein Family	Tight junction protein
NCBI Protein Information	tight junction protein ZO-2
NCBI Summary for TJP2	This gene encodes a zonula occluden that is a member of the membrane-associated guanylate kinase homolog family. The encoded protein functions as a component of the tight junction barrier in epithelial and endothelial cells and is necessary for proper assembly of tight junctions. Mutations in this gene have been identified in patients with hypercholanemia, and genomic duplication of a 270 kb region including this gene causes autosomal dominant deafness-51. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]
Research Articles on TJP2	**1.** Biochemistry and microscopy approaches in T cells confirmed SNX27/ZO-2 PDZ-dependent interaction, and demonstrated its role controlling the dynamic localization of ZO-2 at the IS
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