PCDH7 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	PCDH7, Blocking Peptide
Full Product Name	PCDH7 Antibody (C-term) Blocking peptide
Product Gene Name	PCDH7 blocking peptide
Product Synonym Gene Name	BHPCDH
Product Synonym Names	Protocadherin-7; Brain-heart protocadherin; BH-Pcdh; PCDH7; BHPCDH
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	PCDH7 peptide (MBS9219031) is used for blocking the activity of PCDH7 antibody (MBS9202786)
Molecular Weight	116,429 Da
OMIM	602988
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed predominantly in brain and heart and at lower levels in various other tissues
Related Product Information for PCDH7 blocking peptide	MBS9219031 is a blocking peptide targeting PCDH7. Also known as PCDH7 Antibody (C-term) Blocking peptide.
Other Notes	Small volumes of PCDH7 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCDH7. It may not necessarily be applicable to this product.

NCBI GI #	254763320
NCBI GeneID	5099
NCBI Accession #	O60245.2
UniProt Primary Accession #	O60245
UniProt Secondary Accession #	O60246; O60247; Q4W5C4
UniProt Related Accession #	O60245
NCBI Official Full Name	Protocadherin-7
NCBI Official Synonym Full Names	protocadherin 7
NCBI Official Symbol	PCDH7
NCBI Official Synonym Symbols	BHPCDH; BH-Pcdh; PPP1R120
UniProt Protein Name	Protocadherin-7
UniProt Synonym Protein Names	Brain-heart protocadherin; BH-Pcdh
Protein Family	Protocadherin

UniProt Gene Name	PCDH7
UniProt Synonym Gene Names	BHPCDH; BH-Pcdh
UniProt Entry Name	PCDH7_HUMAN
NCBI Protein Information	protocadherin-7
NCBI Summary for PCDH7	This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes a protein with an extracellular domain containing 7 cadherin repeats. The gene product is an integral membrane protein that is thought to function in cell-cell recognition and adhesion. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq, Jul 2008]
UniProt Comments for PCDH7	PCDH7: a member of the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes a protein with an extracellular domain containing 7 cadherin repeats. The gene product is an integral membrane protein that is thought to function in cell-cell recognition and adhesion. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq, Jul 2008] Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 4p15 Cellular Component: integral to plasma membrane; plasma membrane; platelet alpha granule membrane Biological Process: platelet degranulation
Research Articles on PCDH7	**1.** Two SNPs rs13146789 and rs13109270 of PCDH7 showed strong association with musical aptitude and inner ear development and neurocognitive functions.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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