PARD6B Peptide - N-Terminal Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	PARD6B, Blocking Peptide
Full Product Name	PARD6B Peptide - N-terminal region
Product Gene Name	PARD6B blocking peptide
Product Synonym Gene Name	PAR6B
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	PARD6B peptide (MBS3231577) is used for blocking the activity of PARD6B antibody (MBS3206613)
Molecular Weight	41kDa
OMIM	608975
Product Categories/Family for PARD6B blocking peptide	Peptide
Applications Tested/Suitable for PARD6B blocking peptide	Western Blot (WB)
Related Product Information for PARD6B blocking peptide	This is a synthetic peptide designed for use in combination with anti-PARD6B antibody made Target Description: This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex.This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex.
Other Notes	Small volumes of PARD6B 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 PARD6B purchase	MBS3231577 is a blocking peptide targeting PARD6B. Also known as PARD6B Peptide - N-terminal region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PARD6B. It may not necessarily be applicable to this product.

NCBI GI #	62955042
NCBI GeneID	84612
NCBI Accession #	NP_115910
UniProt Primary Accession #	Q9BYG5
UniProt Related Accession #	Q9BYG5
GenBank Nucleotide #	NM_032521
NCBI Official Full Name	partitioning defective 6 homolog beta

NCBI Official Synonym Full Names	par-6 family cell polarity regulator beta
NCBI Official Symbol	PARD6B
NCBI Official Synonym Symbols	PAR6B
UniProt Protein Name	Partitioning defective 6 homolog beta
Protein Family	Partitioning defective
UniProt Gene Name	PARD6B
UniProt Synonym Gene Names	PAR6B; PAR-6 beta; PAR-6B
UniProt Entry Name	PAR6B_HUMAN
NCBI Protein Information	partitioning defective 6 homolog beta
NCBI Summary for PARD6B	This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex. [provided by RefSeq, Jul 2008]
UniProt Comments for PARD6B	PARD6B: Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in formation of epithelial tight junctions. Association with PARD3 may prevent the interaction of PARD3 with F11R/JAM1, thereby preventing tight junction assembly. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins. Belongs to the PAR6 family. Protein type: Cell adhesion Chromosomal Location of Human Ortholog: 20q13.13 Cellular Component: tight junction; protein complex; apical part of cell; cytoplasm; plasma membrane; cell cortex; cytosol; nucleus Molecular Function: protein binding Biological Process: intercellular junction assembly; intercellular junction assembly and maintenance; axonogenesis; cell division; establishment and/or maintenance of cell polarity; protein complex assembly; cell cycle; regulation of cell migration
Research Articles on PARD6B	**1.** reduced expression of PKCzeta/Pard3/Pard6 contributes to non-small-cell lung cancer epithelial-mesenchymal transition, invasion, and chemoresistance.
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