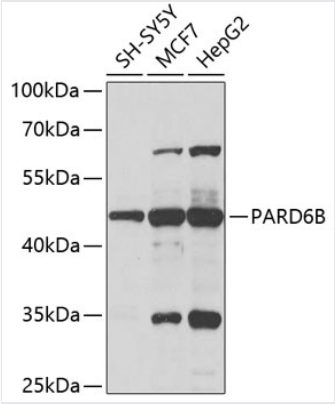
PARD6B Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PARD6B, Polyclonal Antibody
Full Product Name	PARD6B Polyclonal Antibody
Product Gene Name	anti-PARD6B antibody
Product Synonym Names	PARD6B; PAR6B; partitioning defective 6 homolog beta
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS with 50% glycerol, pH7.4
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	41,182 Da
Chromosome Location	Chromosome: 20; NC_000020.10 (49348081..49370278). Location: 20q13.13
OMIM	608975
3D Structure	ModBase 3D Structure for Q9BYG5
Immunogen	Recombinant fusion protein of human PARD6B (NP_115910.1).
Conjugation	Unconjugated
Product Categories/Family for anti-PARD6B antibody	Total protein Ab
Applications Tested/Suitable for anti-PARD6B antibody	Western Blot (WB)
Application Notes for anti-PARD6B antibody	WB: 1:1000-1:4000
Related Product Information for anti-PARD6B antibody	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 anti-PARD6B antibody 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	MBS9433765 is an antibody targeting PARD6B. Also known as PARD6B Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-PARD6B antibody
Western blot analysis of extracts of various cell lines, using PARD6B antibody.

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_115910.1
UniProt Primary Accession #	Q9BYG5
UniProt Secondary Accession #	Q9Y510
UniProt Related Accession #	Q9BYG5
GenBank Nucleotide #	NM_032521.2
NCBI Official Full Name	partitioning defective 6 homolog beta
NCBI Official Synonym Full Names	par-6 partitioning defective 6 homolog beta (C. elegans)
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; PAR-6 beta

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.** Data conclude that Par6B and aPKC control mitotic spindle orientation in polarized epithelia and, furthermore, that aPKC coordinately regulates multiple processes to promote morphogenesis.
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