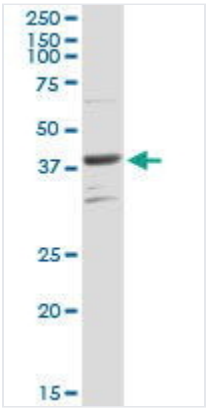
PARD6B Antibody – Rabbit Polyclonal

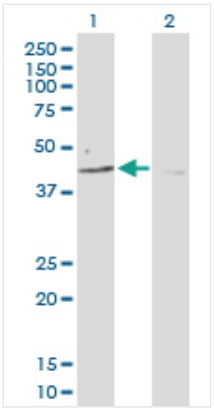
PRODUCT OVERVIEW

Product Name	PARD6B, Polyclonal Antibody
Full Product Name	PARD6B (Partitioning Defective 6 Homolog beta, PAR-6 beta, PAR-6B, PAR6B) (PE)
Product Gene Name	anti-PARD6B antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PARD6B. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
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	Full length human PARD6B, aa1-372 (NP_115910.1).
Immunogen Sequence	MNRSHRHGAGSGCLGTMEVKSKFGAEFRRFSLERSKPGKFEEFYGLLQHVHKIPNVDVLVGYADIHGDLLPINNDDNYHKAVSTANPLLRIFIQKKEEADY
Conjugate	PE
Note	Preservative Free
Product Categories/Family for anti-PARD6B antibody	Antibodies; Cell Division Cycle (CDC)
Applications Tested/Suitable for anti-PARD6B antibody	Western Blot (WB)
Application Notes for anti-PARD6B antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-PARD6B antibody	Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in formation of epithelial tight junctions. Associ
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 nece
Searchable Terms for PARD6B purchase	MBS6388447 is an antibody targeting PARD6B. Also known as PARD6B (Partitioning Defective 6 Homolog beta, PAR-6 beta, PAR-6B, PAR6B) (PE).



Western Blot (WB) of anti-PARD6B antibody
PARD6B rabbit polyclonal antibody. Western Blot analysis of PARD6B expression in mouse liver.



Western Blot (WB) of anti-PARD6B antibody
Western Blot analysis of PARD6B expression in transfected 293T cell line by PARD6B polyclonal antibody. Lane 1: PARD6B transfected lysate (41.2kD). Lane 2: Non-transfected lysate.

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
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

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.** 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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