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PARD6B Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PARD6B.
Catalog # AT3181a

Product Information

Application	WB, IF
Primary Accession	Q9BYG5
Other Accession	BC060847
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	1C4
Calculated MW	41182

Additional Information

Gene ID	84612
Other Names	Partitioning defective 6 homolog beta, PAR-6 beta, PAR-6B, PARD6B, PAR6B
Target/Specificity	PARD6B (AAH60847, 1 a.a. ~ 372 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PARD6B Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

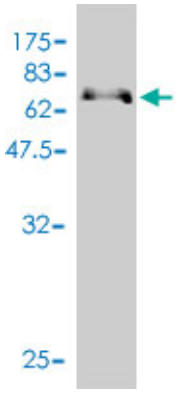
This gene is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain, an OPR domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cytoplasmic protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex.

References

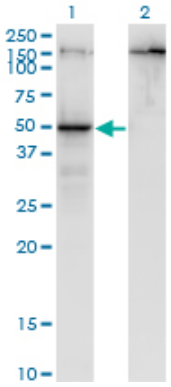
Interaction between PAR-3 and the aPKC-PAR-6 complex is indispensable for apical domain development of epithelial cells. Horikoshi Y, et al. J Cell Sci, 2009 May 15. PMID 19401335.Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.Identification of

target genes in breast cancer cells directly regulated by the SRC-3/AIB1 coactivator. Labhart P, et al. Proc Natl Acad Sci U S A, 2005 Feb 1. PMID 15677324.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Binding of proteins to the PDZ domain regulates proteolytic activity of HtrA1 serine protease. Murwantoko, et al. Biochem J, 2004 Aug 1. PMID 15101818.

Images

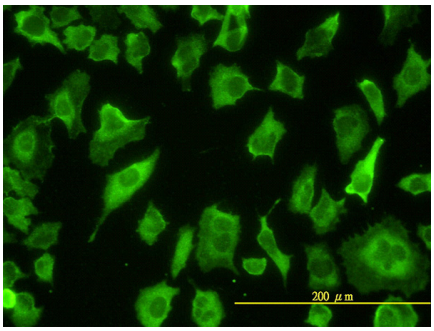


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (66.66 KDa) .



Western Blot analysis of PARD6B expression in transfected 293T cell line by PARD6B monoclonal antibody (M01), clone 1C4.

Lane 1: PARD6B transfected lysate(41.2 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to PARD6B on HeLa cell. [antibody concentration 10 ug/ml]

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.