



PAR-6 β Monoclonal Antibody

Catalog No	YP-mAb-04060
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PARD6B
Immunogen	The antiserum was produced against synthesized peptide derived from human PARD6B. AA range:233-282
Specificity	PAR-6 β Monoclonal Antibody detects endogenous levels of PAR-6 β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	PAR-6 beta;PAR6B;PAR-6B;Partitioning defective 6 homolog beta;PAR-6 β ; PARD6B
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Cytoplasm. Cell membrane . Cell junction, tight junction .
Tissue Specificity	Expressed in pancreas and in both adult and fetal kidney. Weakly expressed in placenta and lung. Not expressed in other tissues.
Function	domain:The PDZ domain mediates interaction with MPP5.,domain:The pseudo-CRIB domain together with the PDZ domain is required for the interaction with Rho small GTPases.,function: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.,similarity:Belongs to the PAR6 family.,similarity:Contains 1 OPR domain.,similarity:Contains 1 PDZ (DHR) domain.,similarity:Contains 1 pseudo-CRIB domain.,subunit:Interacts with PARD3.



Interacts with GTP-bound forms of CDC42 and RAC1. Interacts with GTP-bound ARHQ/TC10. Interacts with MPP5 (By similarity). Interacts with the N-terminal part of PRKCI and

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. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

