

PARD6B Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58766

Product Information

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| Application | IHC-P, IHC-F, IF, E |
| Primary Accession | Q9BYG5 |
| Reactivity | Rat, Pig, Bovine |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 41182 |
| Physical State | Liquid |
| Immunogen | KLH conjugated synthetic peptide derived from human PAR6B |
| Epitope Specificity | 31-110/372 |
| Isotype | IgG |
| Purity | affinity purified by Protein A |
| Buffer | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| SUBCELLULAR LOCATION | Cytoplasm. Cell membrane. Cell junction, tight junction. |
| SIMILARITY | Belongs to the PAR6 family. Contains 1 OPR domain. Contains 1 PDZ (DHR) domain. Contains 1 pseudo-CRIB domain. |
| SUBUNIT | Interacts with PAR3. 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 PRKCZ. Part of a complex with PAR3, CDC42 or RAC1 and PRKCI or PRKCZ. Part of a complex with LLGL1 and PRKCI. Interacts with ALS2CR19. Interacts with ECT2. |
| Important Note | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| Background Descriptions | 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. |

Additional Information

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| Gene ID | 84612 |
| Other Names | Partitioning defective 6 homolog beta, PAR-6 beta, PAR-6B, PARD6B, PAR6B |
| Target/Specificity | Expressed in pancreas and in both adult and fetal kidney. Weakly expressed in placenta and lung. Not expressed in other tissues. |
| Dilution | IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, ELISA=1:5000-10000 |
| Format | 0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce |

Storage Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

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| Name | PARD6B |
| Synonyms | PAR6B |
| 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. |
| Cellular Location | Cytoplasm. Cell membrane. Cell junction, tight junction |
| Tissue Location | Expressed in pancreas and in both adult and fetal kidney. Weakly expressed in placenta and lung. Not expressed in other tissues |

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