

PARD6A Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP5107c**Specification**

PARD6A Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9NPB6](#)**PARD6A Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 50855**Other Names**

Partitioning defective 6 homolog alpha, PAR-6, PAR-6 alpha, PAR-6A, PAR6C, Tax interaction protein 40, TIP-40, PARD6A, PAR6A

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PARD6A Antibody (Center) Blocking Peptide - Protein Information**Name** PARD6A**Synonyms** PAR6A**Function**

Adapter protein involved in asymmetrical cell division and cell polarization processes. Probably involved in the 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 (PubMed:10873802). Regulates centrosome organization and function. Essential for the centrosomal recruitment of key proteins that control centrosomal microtubule organization (PubMed:20719959).

Cellular Location

Cytoplasm. Cell membrane. Cell projection, ruffle. Cell junction, tight junction. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriolar satellite. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Colocalizes with GTP-bound CDC42 or RAC1 at membrane ruffles and with PARD3 and PRKCI at epithelial tight junctions. Recruited to the centrosome by a microtubule and dynein-dynactin-dependent mechanism

Tissue Location

Expressed in pancreas, skeletal muscle, brain and heart. Weakly expressed in kidney and placenta

PARD6A Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PARD6A Antibody (Center) Blocking Peptide - Images**PARD6A Antibody (Center) Blocking Peptide - Background**

PARD6A is a member of the PAR6 family and encodes a protein with a PSD95/Discs-large/ZO1 (PDZ) domain and a semi-Cdc42/Rac interactive binding (CRIB) domain. This cell membrane protein is involved in asymmetrical cell division and cell polarization processes as a member of a multi-protein complex. The protein also has a role in the epithelial-to-mesenchymal transition (EMT) that characterizes the invasive phenotype associated with metastatic carcinomas.

PARD6A Antibody (Center) Blocking Peptide - References

Justilien, V., et al. Oncogene 28(41):3597-3607(2009)Viloria-Petit, A.M., et al. Proc. Natl. Acad. Sci. U.S.A. 106(33):14028-14033(2009)Narimatsu, M., et al. Cell 137(2):295-307(2009)