

PAR6A / PAR6 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS12200**Specification**

PAR6A / PAR6 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	Q9NPB6
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	37kDa KDa

PAR6A / PAR6 Antibody (C-Terminus) - 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

Target/Specificity

Human PARD6A / PAR6. This antibody is expected to recognise both reported isoforms (NP_058644.1; NP_001032358.1).

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

PAR6A / PAR6 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

PAR6A / PAR6 Antibody (C-Terminus) - 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

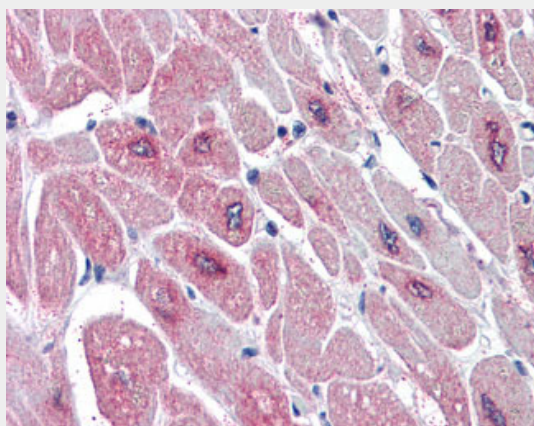
Tissue Location

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

PARD6A / PAR6 Antibody (C-Terminus) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PARD6A / PAR6 Antibody (C-Terminus) - Images

Anti-PARD6A / PAR6 antibody IHC of human heart.

PARD6A / PAR6 Antibody (C-Terminus) - Background

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.

PARD6A / PAR6 Antibody (C-Terminus) - References

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Qiu R.-G., et al. Curr. Biol. 10:697-707(2000).
Joberty G., et al. Nat. Cell Biol. 2:531-539(2000).
Suzuki A., et al. J. Cell Biol. 152:1183-1196(2001).
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