

PAR6G Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP4750A

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9BYG4
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25411
Calculated MW	40883
Antigen Region	18-47

Additional Information

Gene ID	84552
Other Names	Partitioning defective 6 homolog gamma, PAR-6 gamma, PAR6D, PARD6G, PAR6G
Target/Specificity	This PAR6G antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-47 amino acids from the N-terminal region of human PAR6G.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PAR6G Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PARD6G
Synonyms	PAR6G
Function	Adapter protein involved in asymmetrical cell division and cell polarization

processes. May play a role in the formation of epithelial tight junctions. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins (By similarity).

Cellular Location

Cytoplasm. Cell membrane. Cell junction, tight junction

Tissue Location

Widely expressed, with a higher expression in fetal and adult kidney

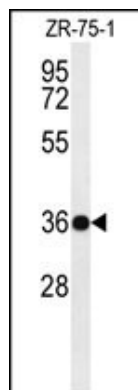
Background

PAR6G involved in asymmetrical cell division and cell polarization processes. PAR6G may play a role in the formation of epithelial tight junctions. The PARD6-PARD3 complex links GTP-bound Rho small GTPases to atypical protein kinase C proteins.

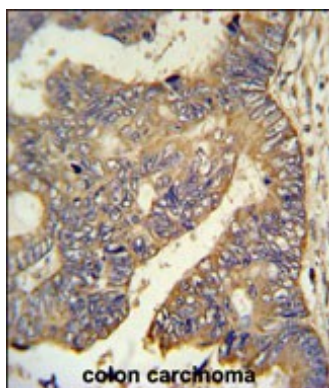
References

Brajenovic, M., et al. J. Biol. Chem. 279(13):12804-12811(2004)
Kohjima, M., et al. Biochem. Biophys. Res. Commun. 299(4):641-646(2002)
Suzuki, A., et al. J. Cell Biol. 152(6):1183-1196(2001)

Images



Western blot analysis of PAR6G Antibody (N-term) (Cat. #AP4750a) in ZR-75-1 cell line lysates (35ug/lane). PAR6G (arrow) was detected using the purified Pab.



PAR6G Antibody (N-term) (Cat. #AP4750a) IHC analysis in formalin fixed and paraffin embedded human colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PAR6G Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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