

Anti-PAR6 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

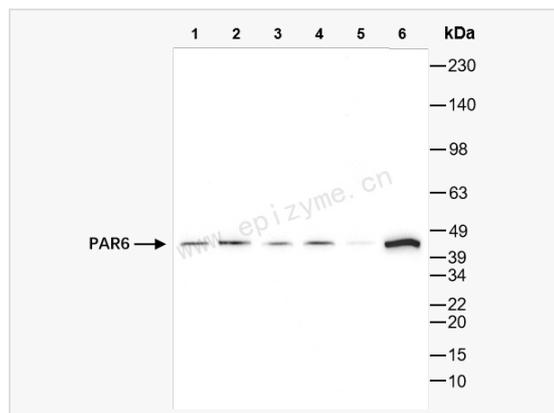
Catalog # R015640

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	94I34J17
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PAR6
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PAR6 Rabbit mAb [94I34J17] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	0710008C04Rik; 2610010A15Rik; Par 6 partitioning defective 6 C elegans homolog alpha; Par 6 partitioning defective 6 homolog alpha; Par 6 partitioning defective 6 homolog alpha C elegans; PAR 6A; PAR-6 alpha; PAR-6; par-6 family cell polarity regulator alpha; PAR-6A; PAR6; PAR6A_HUMAN; PAR6alpha; PAR6C; Pard6a; Partitioning defective 6 homolog alpha; partitioning-defective protein 6; partitioning-defective protein 6, C. elegans, homolog of, alpha; Tax interacting protein 40; Tax interaction protein 40; TAX40; TIP 40; TIP-40; TIP40.
Calculated MW	Calculated MW: 37 kDa; Observed MW: 42 kDa
Uniprot ID	Q9NPB6
Gene ID	50855
Background	This gene 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. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm. Cell membrane. Cell projection > ruffle. Cell junction > tight junction. Colocalizes with GTP-bound CDC42 or RAC1 at membrane ruffles and with PARD3 and PRKCI at epithelial tight junctions.
Tissue Location	Expressed in pancreas, skeletal muscle, brain and heart. Weakly expressed in kidney and placenta.



Western Blot - Anti-PAR6 Rabbit mAb [94134J17]

All lanes: R015640 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 6: Rat liver whole tissue lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 37 kDa

Observed band size: 42 kDa

Developed using the ECL technique (Cat. No. SQ201).