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PARD3 Polyclonal Antibody

(Catalog # A51053)

Background
Adapter protein involved in asymmetrical cell division and cell polarization processes. Seems to play a central role in the formation of epithelial tight junctions. Targets the phosphatase PTEN to cell junctions. Involved in Schwann cell peripheral myelination. Association with PARD6B 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. Required for establishment of neuronal polarity and normal axon formation in cultured hippocampal neurons.

Description
PARD3 Polyclonal Antibody. Unconjugated. Raised in: Rabbit.

Formulation
0.03% Proclin 300, 50% Glycerol, 0.01M PBS, PH 7.4

Specificity
Human

Isotype
IgG

Uniprot ID
Q8TEW0

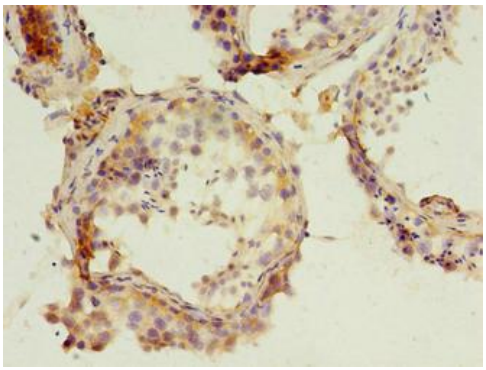
Purification
Protein G purified

Immunogen
Recombinant Human Partitioning defective 3 homolog protein (1068-1356AA)

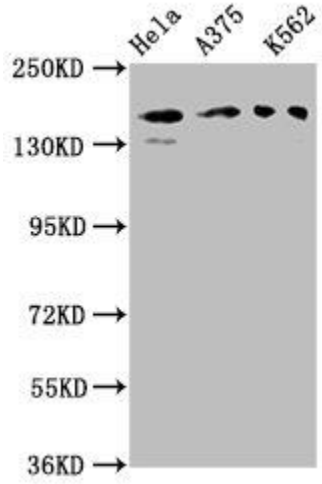
Storage
Shipped at 4°C. Upon delivery aliquot and store at -20°C (short-term) or -80°C (long-term). Avoid repeated freeze.

Alternative Names
Partitioning defective 3 homolog, PAR-3, PARD-3, Atypical PKC isotype-specific-interacting protein, ASIP, CTCL tumor antigen se2-5, PAR3-alpha, PARD3, PAR3, PAR3A

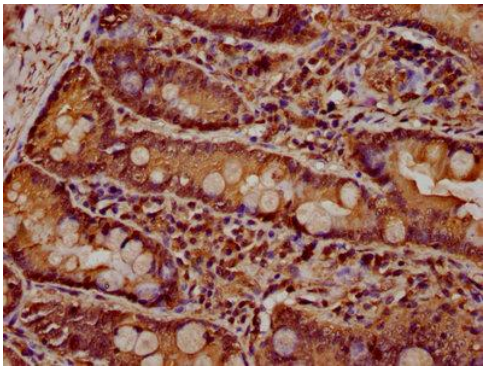
Application
ELISA, WB, IHC, IF; Recommended dilution: WB:1:500-1:5000, IHC:1:100-1:1000, IF:1:50-1:500



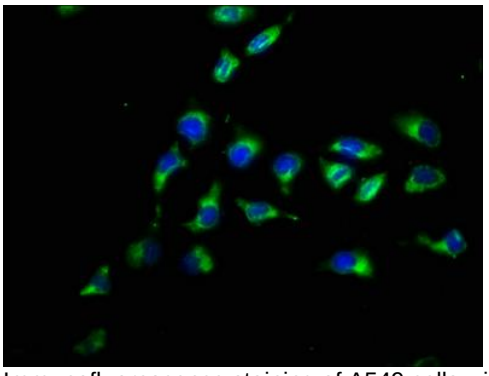
Immunohistochemistry of paraffin-embedded human testis tissue using PARD3 Antibody at dilution of 1:100



Western Blot
Positive WB detected in: Hela whole cell lysate, A375 whole cell lysate, K562 whole cell lysate
All lanes: PARD3 antibody at 3ug/ml
Secondary
Goat polyclonal to rabbit IgG at 1/50000 dilution
Predicted band size: 152, 142, 147, 139, 114, 109, 110, 150 kDa
Observed band size: 152 kDa



IHC image of PARD3 Antibody diluted at 1:600 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence staining of A549 cells with PARD3 Antibody at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).