For Research Use Only

PARD3 Monoclonal antibody

Catalog Number:66968-1-Ig

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Basic Information

Catalog Number:
66968-1-Ig

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG7656

GenBank Accession Number:
BC011711

GeneID (NCBI):
56288

UNIPROT ID:
Q8TEW0

Full Name:
par-3 partitioning defective 3 homolog (C. elegans)

Calculated MW:
151 kDa

Observed MW:
170 kDa

Purification Method:
Protein G purification

CloneNo.:
1D2B2

Recommended Dilutions:
WB: 1:1000-1:6000
IF/ICC: 1:400-1:1600
FC (Intra): 0.40 ug per 10^6 cells in a 100 ul suspension

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:

WB : MCF-7 cells, HeLa cells, HEK-293 cells, A431 cells, HepG2 cells

IF/ICC : MCF-7 cells,

FC (Intra) : MCF-7 cells,

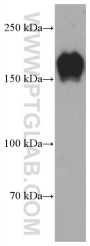
Background Information

PARD3 (also known as ASIP, Par3, or Bazooka) is one of PARD proteins which are essential for asymmetric cell division and polarized growth. PARD3 is involved in the establishment of cell polarity and in the asymmetric cytokinesis. It plays a role in tight junctions at epithelial cell-cell contacts.

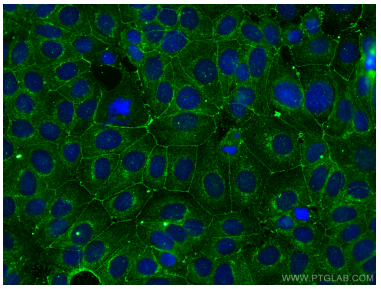
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Aliquoting is unnecessary for -20°C storage

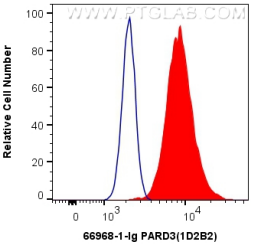
Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 66968-1-Ig (PARD3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using PARD3 antibody (66968-1-Ig, Clone: 1D2B2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10^6 MCF-7 cells were intracellularly stained with 0.4 ug Anti-Human PARD3 (66968-1-Ig, Clone:1D2B2) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.