

For Research Use Only

# PARD3 Monoclonal antibody

Catalog Number: 66968-1-Ig



## Basic Information

**Catalog Number:**

66968-1-Ig

**Size:**

1200 µg/ml

**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 1:400-1:1600

## Applications

**Tested Applications:**

FC, IF/ICC, WB, ELISA

**Species Specificity:**

Human

**Positive Controls:**

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

IF : 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. PAR3 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

For technical support and original validation data for this product please contact:

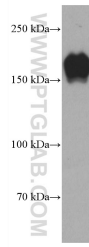
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

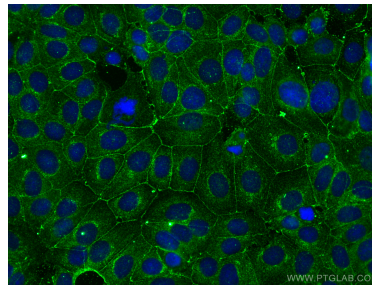
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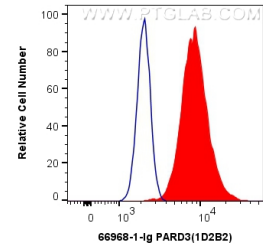
## Selected Validation Data



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<sup>6</sup> 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 (PF00011-C).