

For Research Use Only

PARD3 Polyclonal antibody

Catalog Number: 11085-1-AP

Featured Product

27 Publications



Basic Information

Catalog Number:

11085-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1565

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:

180 kDa, 140-150 kDa, 100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:200

IF-P 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, chicken

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: A549 cells, MCF-7 cells, HEK-293 cells, HeLa cells

IP: MCF-7 cells,

IHC: human colon cancer tissue,

IF-P: mouse kidney tissue, mouse brain tissue

IF/ICC: 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. PARD3 has three splice isoforms at 100 kDa, 150 kDa, and 180 kDa. This polyclonal antibody raised against C-terminal 281 amino acids of human PARD3 recognizes these three isoforms.

Notable Publications

Author	Pubmed ID	Journal	Application
Yunfeng Hu	36179489	Biomed Pharmacother	WB
Gayathri Visakan	34813898	Matrix Biol	IF
Katie S Kindt	34001891	Nat Commun	IF

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

*** 20ul sizes contain 0.1% BSA

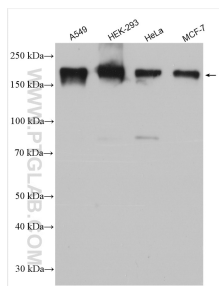
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

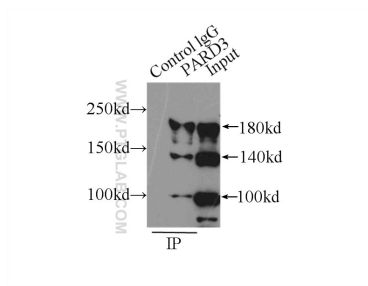
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

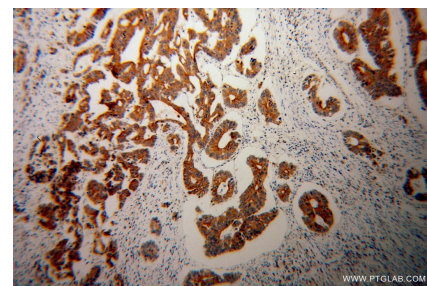
Selected Validation Data



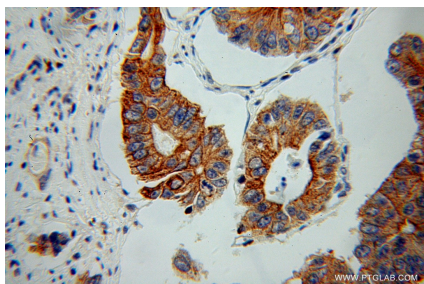
Various lysates were subjected to SDS PAGE followed by western blot with 11085-1-AP (PARD3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



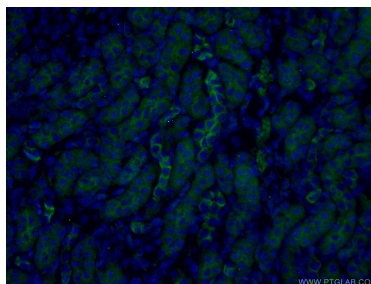
IP result of anti-PARD3 (IP:11085-1-AP, 4ug; Detection:11085-1-AP 1:200) with MCF-7 cells lysate 2900ug.



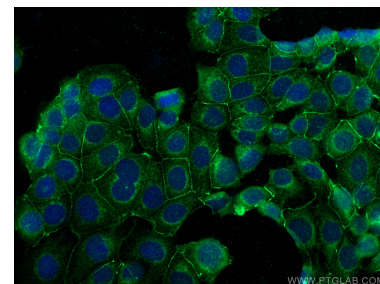
Immunohistochemical analysis of paraffin-embedded human colon cancer using 11085-1-AP (PARD3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon cancer using 11085-1-AP (PARD3 antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed mouse kidney tissue using 11085-1-AP (PARD3 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using PARD3 antibody (11085-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).