

For Research Use Only

PARD6B Polyclonal antibody

Catalog Number: 13996-1-AP

5 Publications



Basic Information

Catalog Number:

13996-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5083

GenBank Accession Number:

BC060847

GeneID (NCBI):

84612

UNIPROT ID:

Q9BYG5

Full Name:

par-6 partitioning defective 6 homolog beta (C. elegans)

Calculated MW:

41 kDa

Observed MW:

50-53 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : HeLa cells, HEK-293 cells, human placenta tissue, PC-3 cells

IP : HEK-293 cells,

IHC : mouse kidney tissue, human pancreas tissue

IF/ICC : HepG2 cells, MCF-7 cells

Background Information

PARD6B (also named PAR6B) is a member of the PAR6 family. PARD6B is known to play a key role in mammary epithelial cell biology. Several studies have been reported which indicate deregulated PARD6B signaling contributes to malignant epithelial cell phenotypes due predominantly to disrupted polymerization and maintenance of tight junctions (PMID: 22957302). The approximately 4.8-kb long PARD6B mRNA was predominantly detected in both adult and fetal kidneys, while much weaker but significant signals were observed in the placenta, lung, and liver (PMID: 11260256). This antibody detects PARD6B with an apparent molecular weight of 50-53 kDa as has been demonstrated by several researches (PMID: 22496418; 25662318).

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-------------|-----------|----------------|-------------|
| Haibin Tian | 36185374 | iScience | IF |
| Wen Yu Wong | 31287841 | PLoS One | WB |
| Xue Wang | 31302435 | Theriogenology | WB |

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

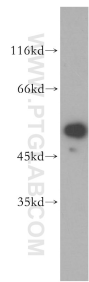
For technical support and original validation data for this product please contact:

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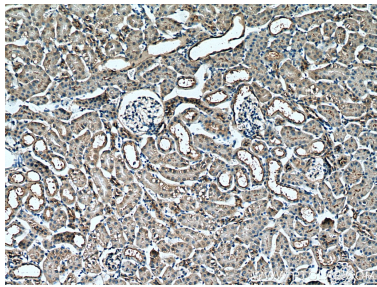
E: proteintech@ptglab.com
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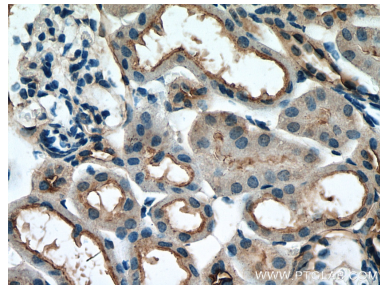
Selected Validation Data



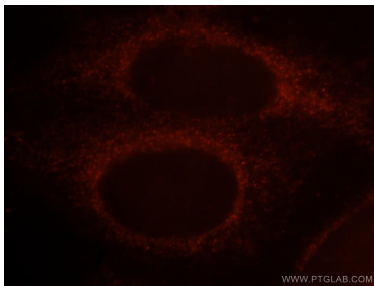
HeLa cells were subjected to SDS PAGE followed by western blot with 13996-1-AP (PARD6B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



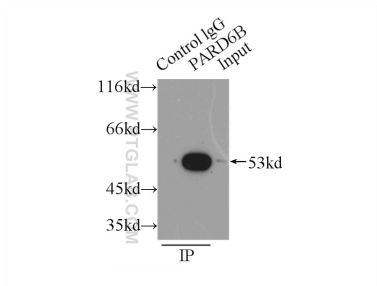
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13996-1-AP (PARD6B antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 13996-1-AP (PARD6B antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using PARD6B antibody 13996-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-PARD6B (IP:13996-1-AP, 3ug; Detection:13996-1-AP 1:200) with HEK-293 cells lysate 6000ug.