

For Research Use Only

# PRKCSH Polyclonal antibody

Catalog Number: 12148-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

12148-1-AP

### Size:

150ul, Concentration: 1200 ug/ml by Nanodrop and 533 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2796

### GenBank Accession Number:

BC013586

### GeneID (NCBI):

5589

### UNIPROT ID:

P14314

### Full Name:

protein kinase C substrate 80K-H

### Calculated MW:

80 kDa

### Observed MW:

80 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:8000

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

IHC 1:200-1:1600

IF/ICC 1:50-1:500

## 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:** A431 cells, mouse liver tissue, rat liver tissue, HeLa cells, Jurkat cells

**IP:** HeLa cells,

**IHC:** human kidney tissue, human normal colon

**IF/ICC:** HeLa cells,

## Background Information

PRKCSH encodes the beta-subunit of glucosidase II, an N-linked glycan-processing enzyme in the endoplasmic reticulum (ER). This protein is an acidic phospho-protein known to be a substrate for protein kinase C. Defects in PRKCSH are a cause of an autosomal dominant polycystic liver disease (PCLD). Glucosidase II is an ER-localized enzyme that contains  $\alpha$  and  $\beta$  subunits (Glucosidase II $\alpha$  and Glucosidase II $\beta$ ) which form a defined heterodimeric complex.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ling Leng	35679865	Cell Rep	IHC
Birong Liang	35598104	Exp Physiol	IHC
Gu-Choul Shin	31320625	Nat Commun	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

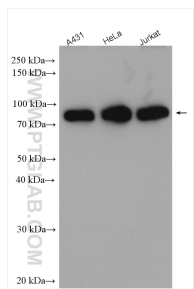
For technical support and original validation data for this product please contact:

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

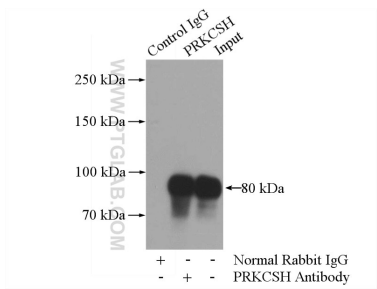
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

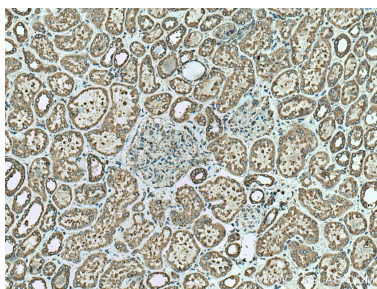
Selected Validation Data



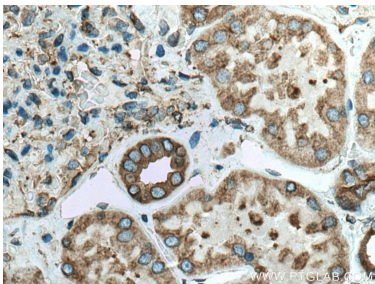
Various lysates were subjected to SDS PAGE followed by western blot with 12148-1-AP (PRKCSH antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



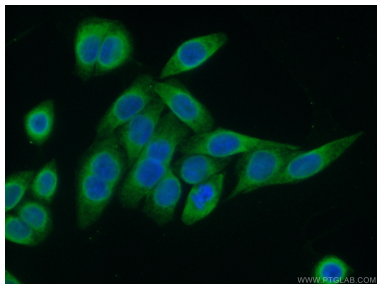
IP result of anti-PRKCSH (IP:12148-1-AP, 4ug; Detection:12148-1-AP 1:1000) with HeLa cells lysate 2000ug.



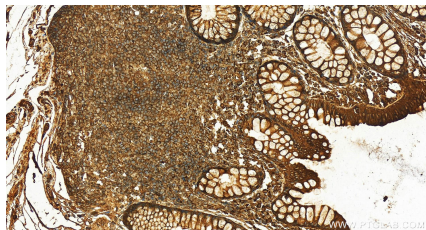
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12148-1-AP (PRKCSH antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12148-1-AP (PRKCSH antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 12148-1-AP (PRKCSH antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 12148-1-AP (PRKCSH antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).