For Research Use Only

PRKCSH Polyclonal antibody

Catalog Number:12148-1-AP Featured Product 10 Publications

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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 α and β subunits (Glucosidase IIα and Glucosidase IIβ) 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, pH7.3
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
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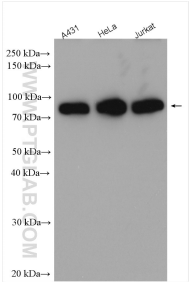
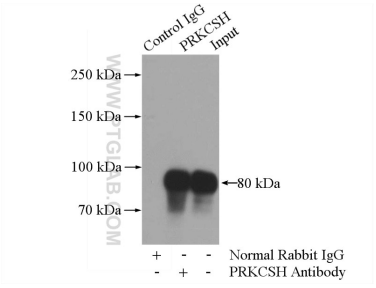
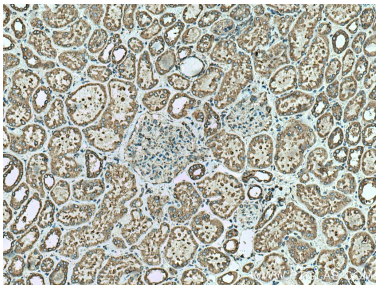
Selected Validation Data



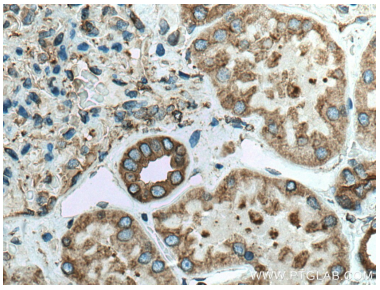
Various lysates were subjected to SDS PAGE followed by western blot with 12148-1-AP (PRKCSH antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



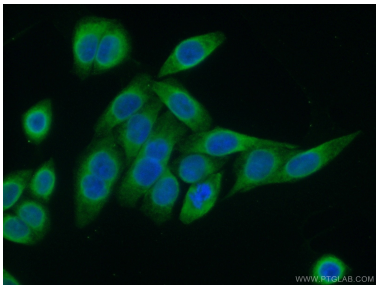
IP result of anti-PRKCSH (IP:12148-1-AP, 4ug; Detection:12148-1-AP 1:1000) with HeLa cells lysate 2000ug.



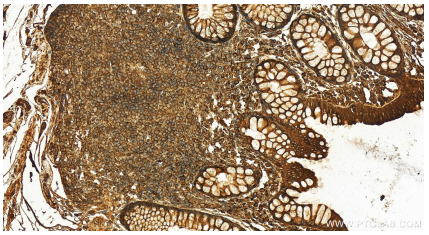
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 12148-1-AP (PRKCSH antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).