

For Research Use Only

PPP1CC Polyclonal antibody

Catalog Number: 11082-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

11082-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1550

GenBank Accession Number:

BC014073

GeneID (NCBI):

5501

UNIPROT ID:

P36873

Full Name:

protein phosphatase 1, catalytic subunit, gamma isoform

Calculated MW:

35 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IP

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 : HEK-293 cells, MCF-7 cells, LO2 cells, HEK-293T cells, mouse brain tissue, rat brain tissue

IP : HEK-293 cells,

IHC : human pancreas cancer tissue,

IF/ICC : HEK-293 cells,

Background Information

PPP1CC, also named as PP-1G, belongs to the PPP phosphatase family and PP-1 subfamily. Protein phosphatase 1 (PP1) is essential for cell division, and participates in the regulation of glycogen metabolism, muscle contractility and protein synthesis. It is involved in regulation of ionic conductances and long-term synaptic plasticity. PPP1CC may play an important role in dephosphorylating substrates such as the postsynaptic density-associated Ca²⁺/calmodulin dependent protein kinase II.

Notable Publications

Author	Pubmed ID	Journal	Application
Ru-Jia Liao	25224648	Clin Exp Pharmacol Physiol	WB, IP
Xiaoman Zhu	36096985	Cell Death Dis	WB
Chao Huang	24196533	Am J Physiol Cell Physiol	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

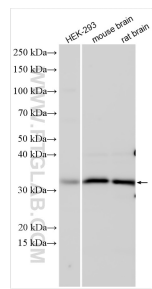
For technical support and original validation data for this product please contact:

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

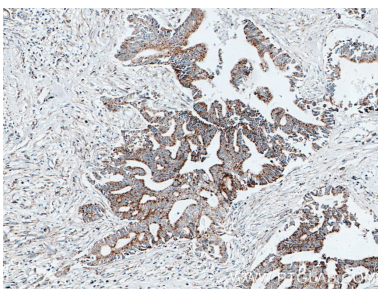
E: proteintech@ptglab.com
W: ptglab.com

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

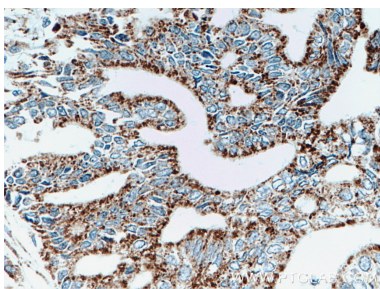
Selected Validation Data



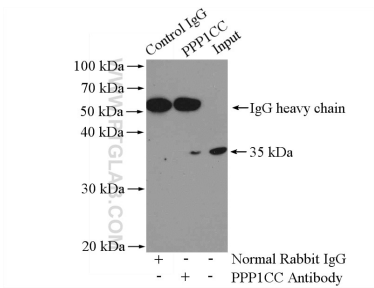
Various lysates were subjected to SDS PAGE followed by western blot with 11082-1-AP (PPP1CC antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



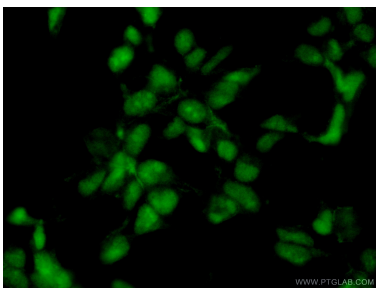
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11082-1-AP (PPP1CC antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11082-1-AP (PPP1CC antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-PPP1CC (IP:11082-1-AP, 4ug; Detection:11082-1-AP 1:500) with HEK-293 cells lysate 2000ug.



Immunofluorescent analysis of (10% Formaldehyde) fixed HEK-293 cells using 11082-1-AP (PPP1CC antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).