

For Research Use Only

PPP1R3C Polyclonal antibody

Catalog Number: 29424-1-AP

1 Publications



Basic Information

Catalog Number:

29424-1-AP

Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG30280

GenBank Accession Number:

BC012625

GeneID (NCBI):

5507

UNIPROT ID:

Q9UQK1

Full Name:

protein phosphatase 1, regulatory (inhibitor) subunit 3C

Calculated MW:

317 aa, 36 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

Human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : HEK-293T cells, mouse cerebellum tissue, rat cerebellum tissue

IHC : human colon cancer tissue,

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

Background Information

• Protein phosphatase 1 regulatory subunit 3C (PPP1R3C) is an enzyme that binds to protein phosphatase-1 (PP1) as a regulator. The central role of PPP1R3C is associated with glycogenesis and the overexpression of this gene increases glycogen storage. The cellular glycogen level is suppressed when PPP1R3C is knocked-down. PPP1R3C induces glycogen accumulation via HIF1 α during hypoxia and it is hypermethylated in melanoma (PMID: 25846879). Overexpression of PPP1R3C increased hepatic gluconeogenesis in vitro and in vivo while knockdown of PPP1R3C showed an opposite result (PMID: 31181215).

Notable Publications

Author	Pubmed ID	Journal	Application
Yarui Pan	39276178	J Mol Med (Berl)	WB,IHC

Storage

Storage:

Store at -20°C.

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

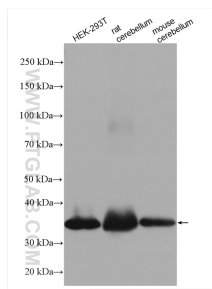
For technical support and original validation data for this product please contact:

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

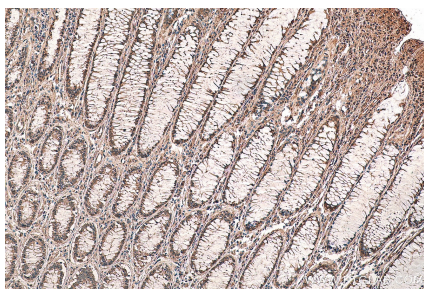
E: proteintech@ptglab.com
W: ptglab.com

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

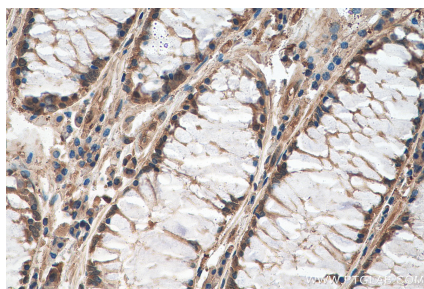
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29424-1-AP (PPP1R3C antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29424-1-AP (PPP1R3C 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 colon cancer tissue slide using 29424-1-AP (PPP1R3C antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).