

For Research Use Only

CPI17 Polyclonal antibody

Catalog Number: 11658-1-AP



Basic Information

Catalog Number:

11658-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2237

GenBank Accession Number:

BC021089

GeneID (NCBI):

94274

UNIPROT ID:

Q96A00

Full Name:

protein phosphatase 1, regulatory (inhibitor) subunit 14A

Calculated MW:

147 aa, 17 kDa

Observed MW:

17 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:50-1:500

IF/ICC 1:400-1:1600

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Species Specificity:

human

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: MCF-7 cells, HeLa cells, HepG2 cells, human colon tissue, Jurkat cells, PC-3 cells

IHC: human stomach cancer tissue,

IF/ICC: A549 cells,

Background Information

PPP1R14A, also named as CPI17, belongs to the protein phosphatase 1 (PP1) inhibitor family. This protein is an inhibitor of smooth muscle myosin phosphatase, and has higher inhibitory activity when phosphorylated. Inhibition of myosin phosphatase leads to increased myosin phosphorylation and enhanced smooth muscle contraction. CPI17 has two isoforms: CPI-17alpha (17 kDa) and CPI-17beta (13 kDa).

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

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

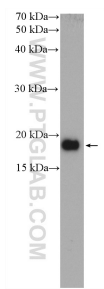
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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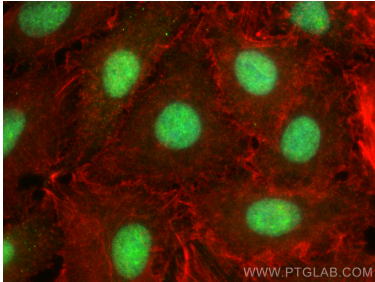
Selected Validation Data



MCF-7 cells were subjected to SDS PAGE followed by western blot with 11658-1-AP (CPI17 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 11658-1-AP (CPI17 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Sodium Citrate buffer (pH 6.0).



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CPI17 antibody (11658-1-AP) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).