

For Research Use Only

CPI17 Polyclonal antibody

Catalog Number: 11658-1-AP



Basic Information

Catalog Number: 11658-1-AP	GenBank Accession Number: BC021089	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 94274	Recommended Dilutions: WB 1:200-1:1000 IF 1:10-1:100
Source: Rabbit	Full Name: protein phosphatase 1, regulatory (inhibitor) subunit 14A	
Isotype: IgG	Calculated MW: 147 aa, 17 kDa	
Immunogen Catalog Number: AG2237	Observed MW: 17 kDa	

Applications

Tested Applications: IF, WB, ELISA	Positive Controls:
Species Specificity: human	WB : MCF-7 cells, HeLa cells, HepG2 cells, human colon tissue, Jurkat cells, PC-3 cells
	IF : PC-3 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

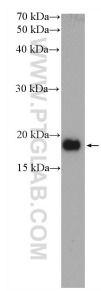
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

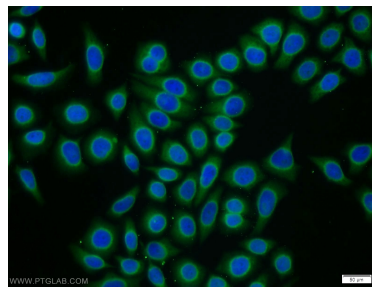
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



Immunofluorescent analysis of PC-3 cells using 11658-1-AP (CPI17 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).