

For Research Use Only

CCNY Polyclonal antibody

Catalog Number: 18042-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

18042-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12674

GenBank Accession Number:

BC104773

GeneID (NCBI):

219771

UNIPROT ID:

Q8ND76

Full Name:

cyclin Y

Calculated MW:

33 kDa, 39 kDa

Observed MW:

33-39 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : A549 cells, K-562 cells

IP : K-562 cells,

IF/ICC : A549 cells,

Background Information

CCNY, also named as C10orf9, CBCP1, CFP1, is a novel cyclin. CCNY acts as a cell-cycle regulator of Wnt signaling pathway during G2/M phase by recruiting CDK14/PFTK1 to the plasma membrane and promoting phosphorylation of LRP6, leading to the activation of the Wnt signaling pathway.

Notable Publications

Author	Pubmed ID	Journal	Application
Hongik Hwang	32966834	Prog Neurobiol	WB
Andrea Molinas	34571979	Cells	WB,IF
Lei Chen	33039146	Biochem Biophys Res Commun	WB,IHC,IP

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

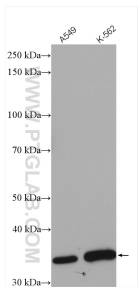
For technical support and original validation data for this product please contact:

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

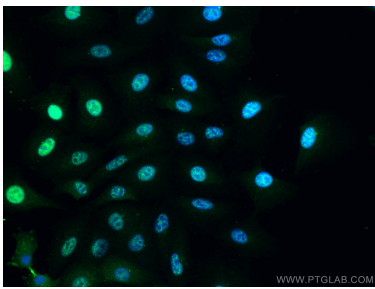
E: proteintech@ptglab.com
W: ptglab.com

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

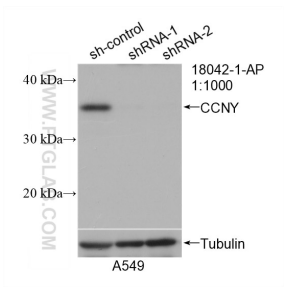
Selected Validation Data



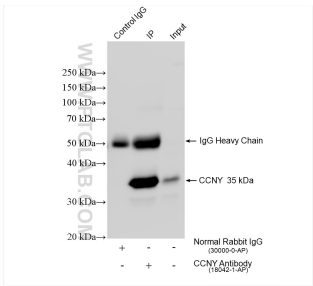
Various lysates were subjected to SDS PAGE followed by western blot with 18042-1-AP (CCNY antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



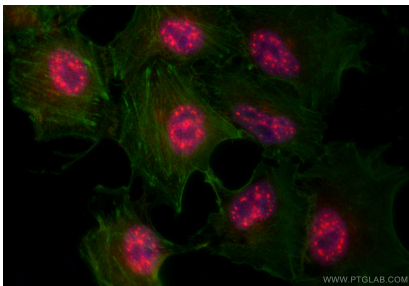
Immunofluorescent analysis of (4% PFA) fixed A549 cells using CCNY antibody (18042-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of CCNY antibody (18042-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CCNY transfected A549 cells.



IP result of anti-CCNY (IP:18042-1-AP, 4ug; Detection:18042-1-AP 1:2000) with K-562 cells lysate 1600 ug.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using CCNY antibody (18042-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).