

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 µg/ml by Nanodrop and 207 µg/ml by Bradford method using BSA as the standard;

**Source:**  
Rabbit

**Isotype:**  
IgG

**Immunogen Catalog Number:**  
AG12674

**GenBank Accession Number:**  
BC104773

**GeneID (NCBI):**  
219771

**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 µg for IP and 1:500-1:1000 for WB  
IF 1:200-1:800

## Applications

**Tested Applications:**

IF, IP, WB, ELISA

**Cited Applications:**

IF, IHC, IP, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**Positive Controls:**

WB : A549 cells, K-562 cells

IP : K-562 cells,

IF : 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

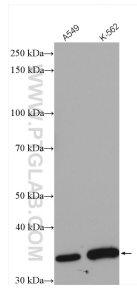
For technical support and original validation data for this product please contact:

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

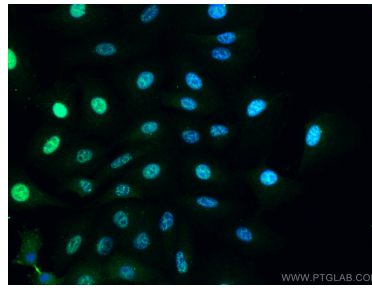
E: proteintech@ptglab.com  
W: ptglab.com

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

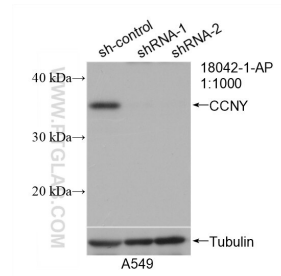
## Selected Validation Data



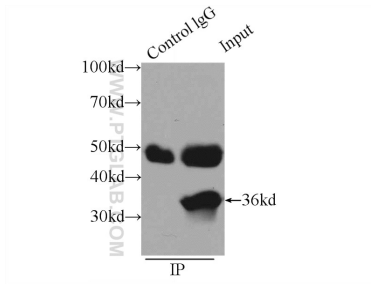
Various lysates were subjected to SDS PAGE followed by western blot with 18042-1-AP (CCNY antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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, 3ug; Detection:18042-1-AP 1:600) with K-562 cells lysate 2400ug.