

For Research Use Only

# CDC42 Polyclonal antibody

Catalog Number: 10155-1-AP

Featured Product

66 Publications



## Basic Information

**Catalog Number:**

10155-1-AP

**Size:**

600 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0207

**GenBank Accession Number:**

BC002711

**GeneID (NCBI):**

998

**UNIPROT ID:**

P60953

**Full Name:**

cell division cycle 42 (GTP binding protein, 25kDa)

**Calculated MW:**

21 kDa

**Observed MW:**

21 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Cited Applications:**

WB, IHC, IF, IP, CoIP

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat, chicken, bovine, hamster

**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:** HT-29 cells, C6 cells, HeLa cells, Jurkat cells, NIH/3T3 cells, mouse brain tissue

**IHC:** human pancreas cancer tissue, human pancreas tissue, human skeletal muscle tissue

**IF/ICC:** HeLa cells, C6 cells

## Background Information

Cdc42, the human homologue of the cell division cycle 42 of *Saccharomyces cerevisiae*, belongs to the Rho/Rac subfamily of Ras-like GTPases. It acts as molecular switches to regulate numerous cellular responses including the organization of the actin cytoskeleton, gene transcription, cell cycle progression, and membrane trafficking. The molecular weight is about 21 kd.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yu-Yuan Zhang	36259516	J Biol Chem	WB
Xiang Pan	28979695	Am J Transl Res	WB
Teng Zhou	25212524	Biomaterials	WB

## 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:

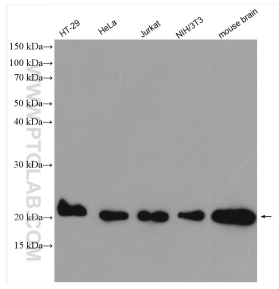
T: 4006900926

E: Proteintech-CN@ptglab.com

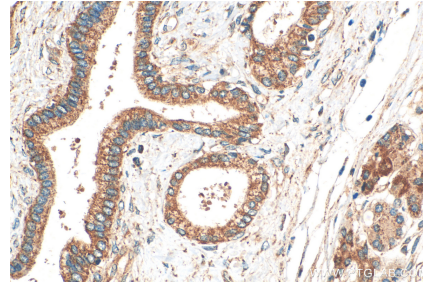
W: ptgcn.com

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

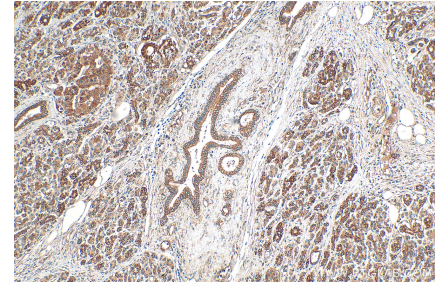
## Selected Validation Data



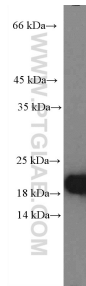
Various lysates were subjected to SDS PAGE followed by western blot with 10155-1-AP (CDC42 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



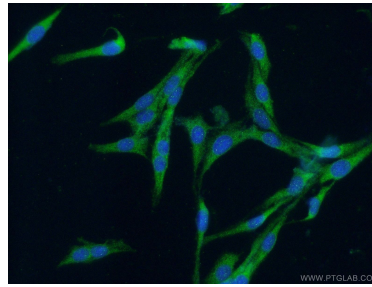
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10155-1-AP (CDC42 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



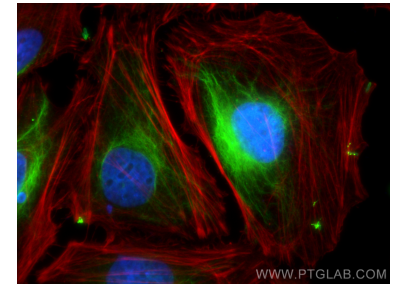
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 10155-1-AP (CDC42 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



C6 cells were subjected to SDS PAGE followed by western blot with 10155-1-AP (CDC42 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed C6 cells using 10155-1-AP (CDC42 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDC42 antibody (10155-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).