

For Research Use Only

# CCPG1 Polyclonal antibody

Catalog Number: 13861-1-AP

Featured Product

20 Publications



## Basic Information

**Catalog Number:**

13861-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG4841

**GenBank Accession Number:**

BC034914

**GeneID (NCBI):**

9236

**UNIPROT ID:**

Q9ULG6

**Full Name:**

cell cycle progression 1

**Calculated MW:**

87 kDa

**Observed MW:**

110 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Cited Applications:**

WB, IHC, IP

**Species Specificity:**

human

**Cited Species:**

human, mouse, rat

**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 : HepG2 cells, L02 cells, THP-1 cells

IHC : human stomach cancer tissue,

IF/ICC : HepG2 cells,

## Background Information

Cell-cycle progression gene 1 (CCPG1) is a receptor for ER stress-induced ER-phagy. CCPG1 localizes to perinuclear ER and in small foci at the ER periphery. It contains a LIR at the N-terminal cytosolic domain engaging LC3/GABARAP. (PMID: 29802216, PMID: 29290589)

## Notable Publications

Author	Pubmed ID	Journal	Application
Svenja Zielke	33111629	Autophagy	WB
Maria Sol Herrera-Cruz	34743744	Biol Direct	WB
Corey N Cunningham	31176671	Mol Cell	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:

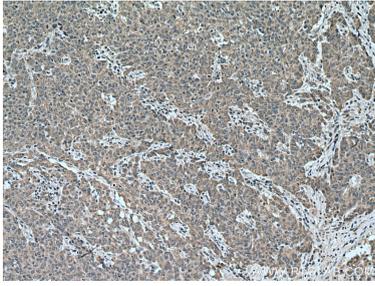
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

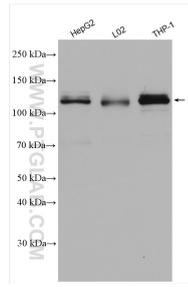
W: [ptgcn.com](http://ptgcn.com)

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

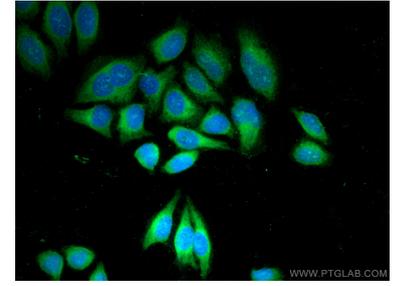
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13861-1-AP (CCPG1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 13861-1-AP (CCPG1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CCPG1 antibody (13861-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L).