

For Research Use Only

# CIB1 Polyclonal antibody

Catalog Number: 11823-1-AP

Featured Product

9 Publications



## Basic Information

### Catalog Number:

11823-1-AP

### Size:

700 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG2391

### GenBank Accession Number:

BC000846

### GeneID (NCBI):

10519

### UNIPROT ID:

Q99828

### Full Name:

calcium and integrin binding 1 (calmyrin)

### Calculated MW:

22 kDa

### Observed MW:

22 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2400

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

IHC 1:20-1:200

IF 1:50-1:500

## Applications

### Tested Applications:

IF/ICC, IHC, IP, WB, ELISA

### Cited Applications:

WB, IP, IF, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB: human liver tissue, HepG2 cells, rat testis tissue

IP: mouse testis tissue,

IHC: human breast cancer tissue, human testis tissue, rat testis tissue

IF: A549 cells,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

CIB1 (Calcium and integrin-binding protein 1) is also named as CIB, KIP, PRKDCIP. It is an EF-hand-containing protein that binds multiple effector proteins, including the platelet  $\alpha$  IIb  $\beta$  3 integrin and several serine/threonine kinases and potentially modulates their function. It regulates platelet aggregation in hemostasis through a specific interaction with the  $\alpha$  IIb  $\beta$  3 cytoplasmic domain of platelet integrin  $\alpha$  IIb  $\beta$  3.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chirosree Bandyopadhyay	25253349	J Virol	WB, IF
Yuanqi Liu	33082516	Cell Death Differ	IP
Magdalena Czeredys	24324398	Front Mol Neurosci	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:

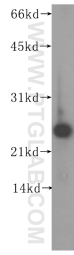
T: 4006900926

E: Proteintech-CN@ptglab.com

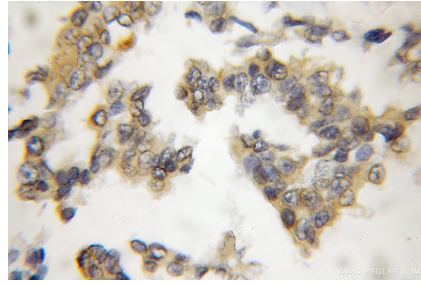
W: ptgcn.com

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

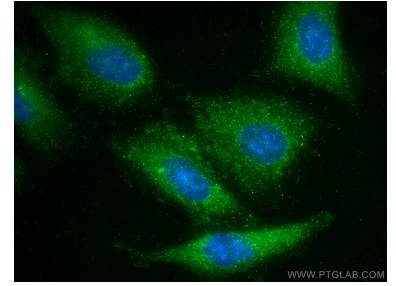
## Selected Validation Data



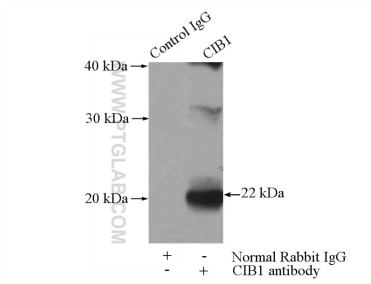
human liver tissue were subjected to SDS PAGE followed by western blot with 11823-1-AP (CIB1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 11823-1-AP (CIB1 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CIB1 antibody (11823-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP result of anti-CIB1 (IP:11823-1-AP, 4ug; Detection:11823-1-AP 1:300) with mouse testis tissue lysate 4000ug.