

For Research Use Only

# MYCBP Polyclonal antibody

Catalog Number: 12022-1-AP

Featured Product

5 Publications



## Basic Information

**Catalog Number:**

12022-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2651

**GenBank Accession Number:**

BC008686

**GeneID (NCBI):**

26292

**UNIPROT ID:**

Q99417

**Full Name:**

c-myc binding protein

**Calculated MW:**

103 aa, 12 kDa

**Observed MW:**

12 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:3000

IHC 1:20-1:200

IF 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human

**Cited Species:**

human, mouse

**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:** human heart tissue, A549 cells, human kidney tissue, human lung tissue, human placenta tissue, HEK-293 cells

**IHC:** human pancreas cancer tissue,

**IF:** HepG2 cells,

## Background Information

MYC binding protein(MYCBP), encoded by MYCBP gene, binds to N-terminal region of MYC, and then MYC can activate E box-dependent transcription. Upon increasing expression of MYC, MYCBP translocates into the nucleus in the S phase of the cell cycle. MYCBP may involve in spermatogenesis, since it's found to be interacted with AKAP84/149 in the mitochondria in somatic cells and sperm. It highly expressed in heart, placenta, pancreas, skeletal muscle and kidney, but low in lung. This is a rabbit polyclonal antibody raised against full-length MYCBP of human origin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yongqi Wang	32965772	J Cell Mol Med	WB
Hagai Marmor-Kollet	33217318	Mol Cell	IF
S Mathia	29791781	Acta Physiol (Oxf)	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:

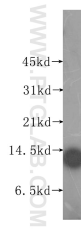
T: 4006900926

E: Proteintech-CN@ptglab.com

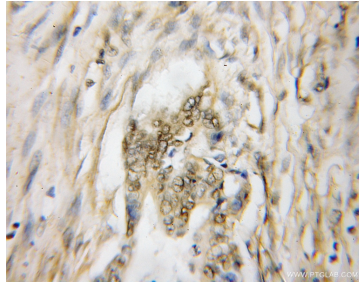
W: ptgcn.com

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

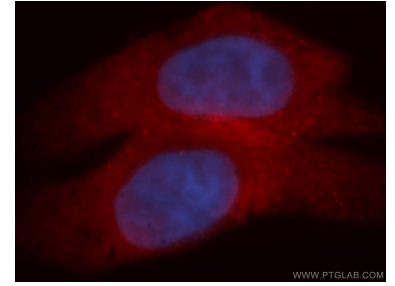
## Selected Validation Data



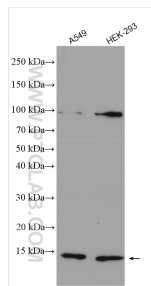
human heart tissue were subjected to SDS PAGE followed by western blot with 12022-1-AP (MYCBP antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 12022-1-AP (MYCBP antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of HepG2 cells, using MYCBP antibody 12022-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



Various lysates were subjected to SDS PAGE followed by western blot with 12022-1-AP (MYCBP antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.