

For Research Use Only

# CPEB1 Polyclonal antibody

Catalog Number: 13274-1-AP

Featured Product

16 Publications



## Basic Information

**Catalog Number:**

13274-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3994

**GenBank Accession Number:**

BC035348

**GeneID (NCBI):**

64506

**UNIPROT ID:**

Q9BZB8

**Full Name:**

cytoplasmic polyadenylation  
element binding protein 1

**Calculated MW:**

486 aa, 54 kDa

**Observed MW:**

60-70kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:4000

IHC 1:50-1:200

IF 1:200-1:800

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB, IP, IF, RIP, IHC

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, rat, Asterina pectinifera, 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:** HEK-293T cells, HeLa cells, NIH/3T3 cells

**IHC:** human liver cancer tissue, human breast cancer tissue, human colon cancer tissue

**IF:** HeLa cells,

## Background Information

CPEB1, also named as CEBP, CPEB and CPE-BP1, contains two RRM (RNA recognition motif) domains and belongs to the RRM CPEB family. It is a sequence-specific RNA-binding protein that regulates mRNA cytoplasmic polyadenylation and translation initiation during oocyte maturation, early development and at postsynapse sites of neurons. CPEB1 regulated translation is a key process involved in INS signaling. This is a rabbit polyclonal antibody raised against residues near the C terminus of human CPEB1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Valeria Giangarrà	26398195	PLoS One	WB
Gelei Xiao	34678444	Brain Res Bull	WB,IF
Christopher R Neil	34613784	Mol Biol 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:

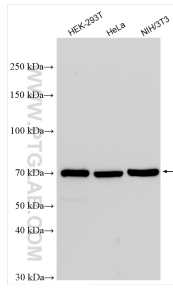
T: 4006900926

E: Proteintech-CN@ptglab.com

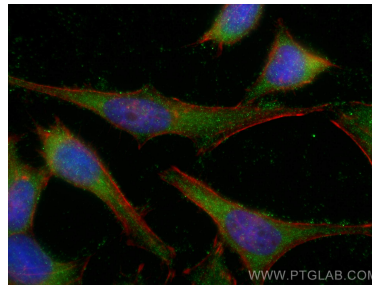
W: ptgcn.com

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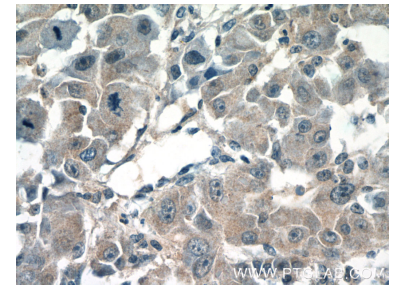
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13274-1-AP (CPEB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CPEB1 antibody (13274-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 13274-1-AP (CPEB1 Antibody) at dilution of 1:50 (under 40x lens).