

# PTBP1 Rabbit Polyclonal Antibody



CAB6107

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

57kDa

### Calculated MW:

57kDa/59kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:1000 IHC

1:100 - 1:200 IF 1:50 -

1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA-binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has four repeats of quasi-RNA recognition motif (RRM) domains that bind RNAs. This protein binds to the intronic polypyrimidine tracts that requires pre-mRNA splicing and acts via the protein degradation ubiquitin-proteasome pathway. It may also promote the binding of U2 snRNP to pre-mRNAs. This protein is localized in the nucleoplasm and it is also detected in the perinucleolar structure. Alternatively spliced transcript variants encoding different isoforms have been described.

## Immunogen information

### Gene ID:

5725

### Uniprot

P26599

### Synonyms:

PTBP1; HNRNP-I; HNRNPI; HNRPI; PTB; PTB-1; PTB-T; PTB2; PTB3;

PTB4; pPTB

### Immunogen:

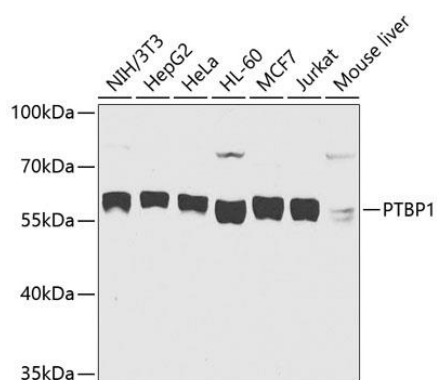
A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PTBP1 (NP\_114368.1).

### Storage:

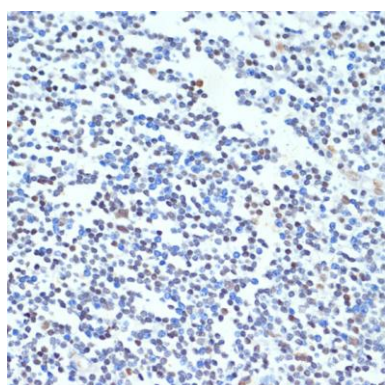
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

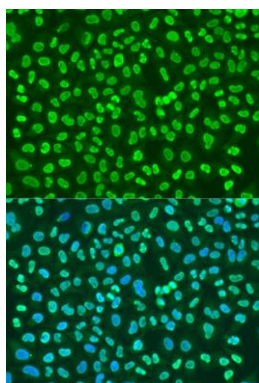
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Western blot analysis of extracts of various cell lines, using PTBP1 antibody (CAB6107) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded human tonsil using PTBP1 antibody (CAB6107) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using PTBP1 antibody (CAB6107) at dilution of 1:100. Blue: DAPI for nuclear staining.