

Datasheet for ABIN2778814  
**anti-PTBP1 antibody (N-Term)**



[Go to Product page](#)

2 Images

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | PTBP1   |
| Binding Specificity: | N-Term  |
| Reactivity:          | Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio) |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal  |
| Conjugate:           | This PTBP1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB)   |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the N terminal region of human PTBP1                                      |
| Sequence:             | RGSELFSTC VTNGPFIMSS NSASAANGND SKKFKGDSRS AGVPSRVIHI   |
| Predicted Reactivity: | Cow: 100%, Dog: 93%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 91%, Rat: 100%, Zebrafish: 93%            |
| Characteristics:      | This is a rabbit polyclonal antibody against PTBP1. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified   |

## Target Details

|         |       |
|---------|-------|
| Target: | PTBP1 |
|---------|-------|

# Target Details

|                   |   |
|-------------------|---|
| Alternative Name: | PTBP1 ( <a href="#">PTBP1 Products</a> )  |
| Background:       | <p>PTBP1 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. 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 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.</p> <p>Alias Symbols: HNRNPI, HNRPI, MGC10830, MGC8461, PTB, PTB-1, PTB-T, PTB2, PTB3, PTB4, pPTB, HNRNP-I</p> <p>Protein Interaction Partner: UBC, SNRPA, SFPQ, PTBP1, NONO, LGR4, MDM2, RPA3, RPA2, RPA1, BMI1, SUZ12, EED, RNF2, DIMT1, YBX3, AIMP2, SPTAN1, RPS27, QARS, YBX1, RPSA, ILF2, HNRNPU, HNRNPD, HNRNPA2B1, FAU, EPRS, EIF4G1, APBB1, ABCF1, NELFB, G3BP1, AIMP1, EIF2B2, IQGAP1, TARDBP, SRPK2,</p> <p>Protein Size: 531</p> |
| Molecular Weight: | 58 kDa  |
| Gene ID:          | 5725  |
| NCBI Accession:   | <a href="#">NM_031991</a> , <a href="#">NP_114368</a>   |
| UniProt:          | <a href="#">P26599</a>  |
| Pathways:         | <a href="#">Regulation of Muscle Cell Differentiation</a>   |

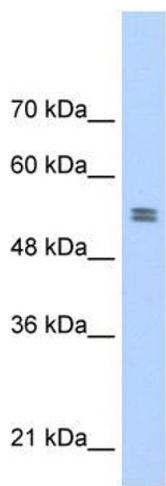
Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 531 AA   |
| Restrictions:      | For Research Use only  |

Handling

|                    |   |
|--------------------|---|
| Format:            | Liquid  |
| Concentration:     | Lot specific  |
| Buffer:            | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.                                     |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |
| Handling Advice:   | Avoid repeated freeze-thaw cycles.  |
| Storage:           | -20 °C  |
| Storage Comment:   | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

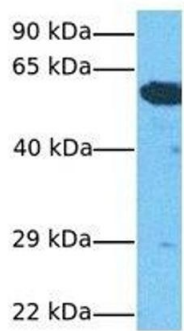
Images



**Western Blotting**

**Image 1.** WB Suggested Anti-PTBP1 Antibody Titration: 0.2-1 ug/ml Positive Control: Daudi cell lysate PTBP1 is strongly supported by BioGPS gene expression data to be expressed in Human Daudi cells

# PTBP1



## Western Blotting

**Image 2.** Host: Rabbit Target Name: PTBP1 Sample Tissue:  
Human HepG2 Antibody Dilution: 1.0ug/ml