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Datasheet for ABIN6146371
anti-PTBP1 antibody (AA 1-100)

6 Images

Overview

Quantity:	100 µL
Target:	PTBP1
Binding Specificity:	AA 1-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PTBP1 (NP_114368.1).
Sequence:	MDGIVPDIAV GTKRGSDELFGSTCVTNGPFI MSSNSASAAN GNDSKKFKGD SRSAGVPSRV IHIRKLPIDV TEGEVISLGL PFGKVTNLLM LKGKNQAFIE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PTBP1
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Target Details

Alternative Name: PTBP1 ([PTBP1 Products](#))

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.,PTBP1,HNRNP-I,HNRNPI,HNRPI,PTB,PTB-1,PTB-T,PTB2,PTB3,PTB4,pPTB,Epigenetics & Nuclear Signaling,RNA Binding,PTBP1

Molecular Weight: 57 kDa/59 kDa

Gene ID: 5725

UniProt: [P26599](#)

Pathways: [Regulation of Muscle Cell Differentiation](#)

Application Details

Application Notes: WB,1:500 - 1:1000,IHC,1:100 - 1:200,IF,1:50 - 1:200

Comment: HIGH QUALITY

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

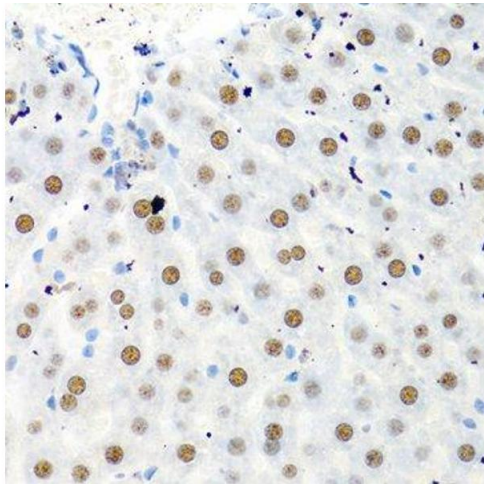
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

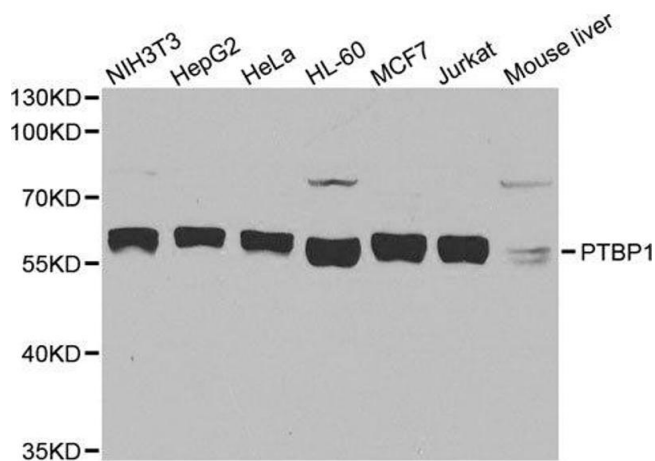
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



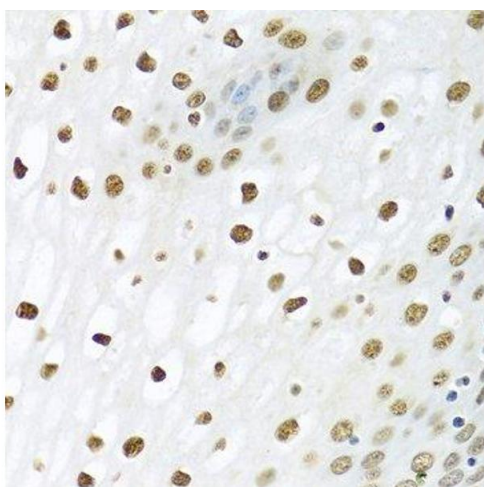
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded rat liver using PTBP1 antibody.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PTBP1 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded human esophagus using PTBP1 antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6146371.