

Datasheet for ABIN3022618
anti-PTBP1 antibody (AA 1-290)



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5 Images

1 Publication

Overview

Quantity:	100 µL
Target:	PTBP1
Binding Specificity:	AA 1-290
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-290 of human PTBP1 (NP_114368.1).
Sequence:	MDGIVPDIIV GTKRGSDELV STCVTNGPFI MSSNSASAAN GNDSKKFKGD SRSAGVPSRV IHIRKLPIDV TEGEVISLGL PFGKVTNLLM LKGKNQAFIE MNTEEAANTM VNYYSVTPV LRGQPIYIQF SNHKELKTDS SPNQARAQAA LQAVNSVQSG NLALAASAAA VDAGMAMAGQ SPVLRRIIVEN LFYPVTLDELV HQIFSKFGTV LKIITFTKNN QFQALLQYAD PVSAQHAKLS LDGQNIYNAC CTLRIDFSKL TSLNVKYNND KSRDYTRPDL PSGDSQPSLD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PTBP1
Alternative Name:	PTBP1 (PTBP1 Products)
Background:	<p>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</p>
Molecular Weight:	57 kDa/59 kDa
Gene ID:	5725
UniProt:	P26599
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100
Restrictions:	For Research Use only

Handling

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.
Storage:	-20 °C

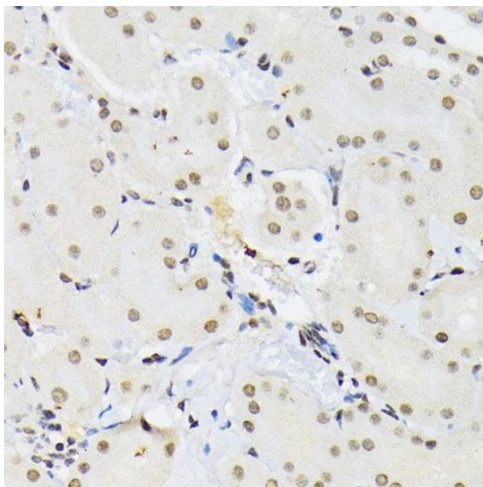
Handling

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

Publications

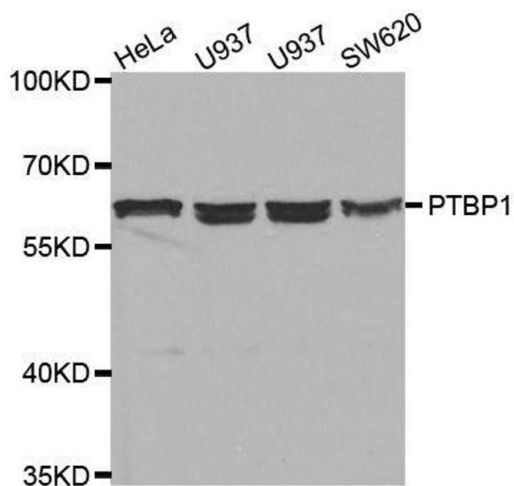
Product cited in: Wei, Dai, Zhou, He, Yao, Zhao, Guo, Yang: "Oroxylin A activates PKM1/HNF4 alpha to induce hepatoma differentiation and block cancer progression." in: **Cell death & disease**, Vol. 8, Issue 7, pp. e2944, (2018) ([PubMed](#)).

Images



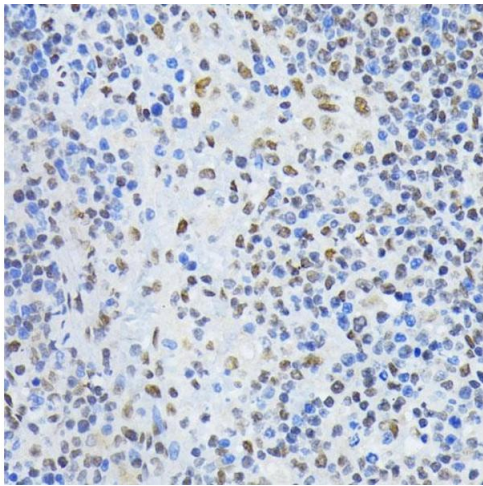
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded mouse kidney using PTBP1 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

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



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded rat spleen using PTBP1 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022618.