

Datasheet for ABIN7269464  
**anti-PTBP1 antibody**



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5 Images

## Overview

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

## Product Details

Purpose:	PTBP1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human PTBP1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	PTBP1
Alternative Name:	PTBP1 ( <a href="#">PTBP1 Products</a> )
Background:	This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear

## Target Details

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. [provided by RefSeq, Jul 2008],HNRNP-I, HNRNP1, HNRPI, PTB, PTB-1, PTB-T, PTB2, PTB3, PTB4, pPTB,Epigenetics & Nuclear Signaling,RNA Binding,PTBP1

Molecular Weight: 57kDa

Gene ID: 5725

UniProt: [P26599](#)

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

## Application Details

Application Notes: WB,1:500 - 1:2000, IHC,1:50 - 1:200, IF,1:50 - 1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

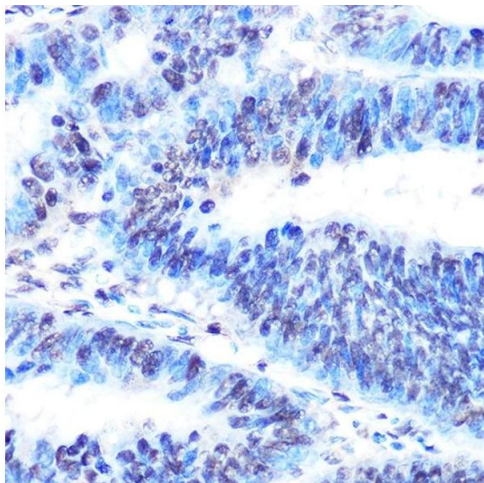
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

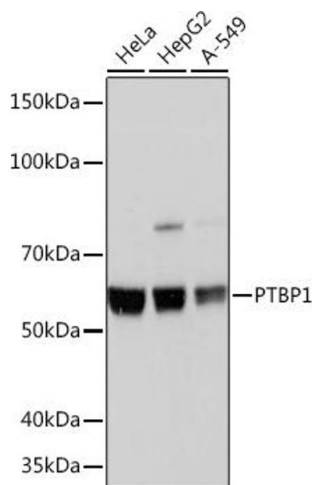
Storage: -20 °C

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



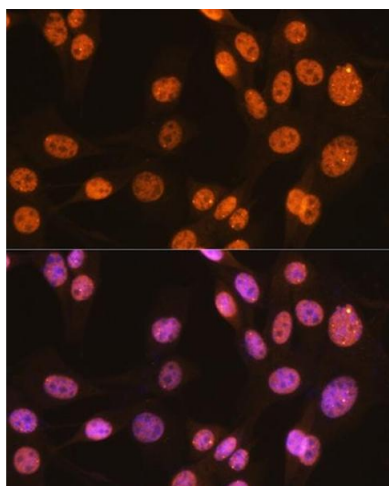
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human colon carcinoma using PTBP1 Rabbit mAb (ABIN7269464) 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 Rabbit mAb (ABIN7269464) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of NIH-3T3 cells using PTBP1 Rabbit mAb (ABIN7269464) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7269464.