Datasheet for ABIN2854334

anti-PTBP1 antibody

2 Images

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Overview

Quantity:	100 µL
Target:	PTBP1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTBP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human PTBP1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to hnRNP 1 (polypyrimidine tract-binding protein 1) hnRNP 1 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	PTBP1
Alternative Name:	polypyrimidine tract binding protein 1 (PTBP1 Products)

Target Details

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. Cellular Localization: Nucleus
Molecular Weight:	57 kDa
Gene ID:	5725
UniProt:	P26599
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Restrictions:	For Research Use only

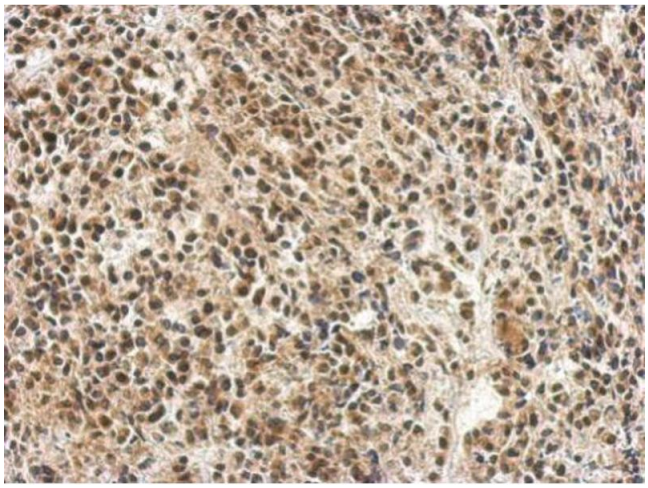
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

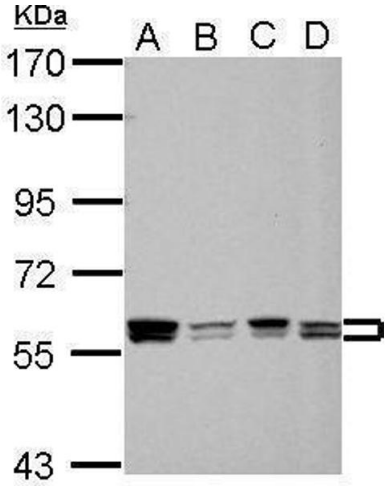
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Validation report #104334 for Multiplex Immunohistochemistry (mIHC)



Immunohistochemistry

Image 1. IHC-P Image Immunohistochemical analysis of paraffin-embedded AGS xenograft, using hnRNP 1, antibody at 1:500 dilution.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: 293T B: A431 C: HeLa D: HepG2 7.5% SDS PAGE antibody diluted at 1:1000