

PTBP1 Polyclonal Antibody

Catalog NumberPA1-32024

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Human, Mouse, Rat
Host/Isotope	Goat / IgG	Tested Applications	Dilution *
Class	Polyclonal		
Type	Antibody		
Immunogen	synthetic peptide DGIVPDIAVGTKR (Human).	Immunohistochemistry (Paraffin) (IHC (P))	2-4 µg/mL
Conjugate	Unconjugated	Western Blot (WB)	0.01-0.3 µg/mL
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	0.5 mg/mL		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: The peptide used to generate this antibody is available for purchase (GTX25642-PEP).. Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

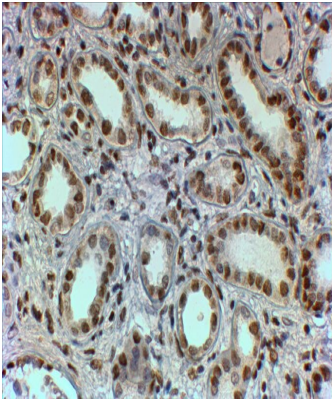
This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA-binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing 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.

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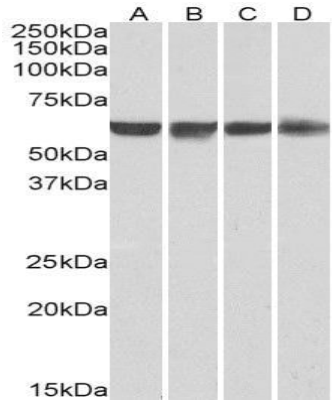
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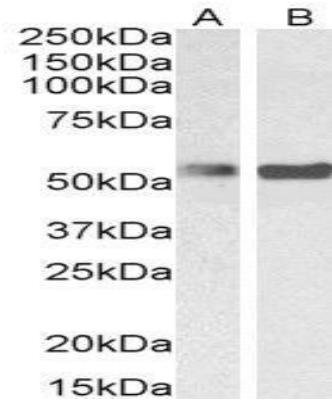
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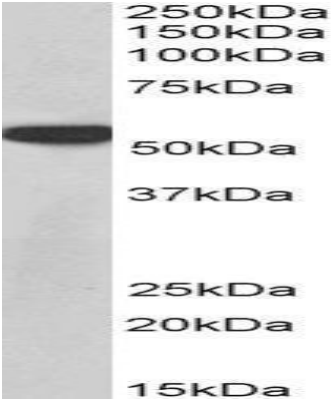
PTBP1 Antibody (PA1-32024) in IHC (P)
Immunohistochemistry (Paraffin) analysis of PTBP1 in human kidney tissue using PTBP1 Polyclonal Antibody (Product # PA1-32024) at a dilution of 2 µg/mL. Antigen retrieval : Tris/EDTA buffer pH 9.



PTBP1 Antibody (PA1-32024) in WB
Western Blot analysis of PTBP1 was performed by loading 35 µg of HeLa (A), HepG2 (B), Jurkat (C) and HEK293 (D) nuclear lysates. Proteins were transferred to a membrane and probed with a PTBP1 Polyclonal Antibody (Product # PA1-32024) at a dilution of 0.01 µg/mL.



PTBP1 Antibody (PA1-32024) in WB
Western Blot analysis of PTBP1 was performed by loading 35 µg (in RIPA buffer) of mouse ovary (A) and rat ovary (B) lysates. Proteins were transferred to a membrane and probed with a PTBP1 Polyclonal Antibody (Product # PA1-32024) at a dilution of 0.1-0.3 µg/mL.



PTBP1 Antibody (PA1-32024) in WB
Western Blot analysis of PTBP1 was performed by loading 35 µg (in RIPA buffer) of NIH-3T3 cell lysates. Proteins were transferred to a membrane and probed with a PTBP1 Polyclonal Antibody (Product # PA1-32024) at a dilution of 0.03 µg/mL.

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PTBP1 Antibody (PA1-32024) in WB

Western Blot analysis of PTBP1 was performed by loading 35 µg (in RIPA buffer) of human ovary lysates. Proteins were transferred to a membrane and probed with a PTBP1 Polyclonal Antibody (Product # PA1-32024) at a dilution of 0.1 µg/mL.

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