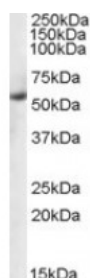


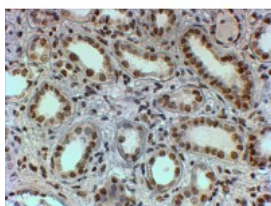


## PTB Antibody

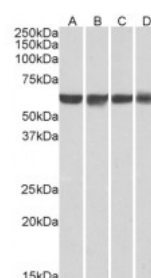
CATALOG NUMBER: 46-243



Western Blot (0.1ug/ml) staining of Human Ovary lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (2ug/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.



Western Blot (0.01ug/ml) staining of HeLa (A), HepG2 (B), Jurkat (C) and HEK293 (D) nuclear lysates (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	ELISA, IHC-P, WB
<b>APPLICATIONS:</b>	ELISA: antibody detection limit dilution 1:32000. Western Blot: Approx 55kDa band observed in Human Liver and Ovary lysates, and 60kDa band observed in nuclear lysates of cell lines HeLa, HepG2, Jurkat and HEK293 (calculated MW of 57.2kDa according to NP_114368.1). Recommended concentration: 0.1-0.3ug/ Immunohistochemistry: In paraffin embedded Human Kidney shows nuclear membrane staining in all the convoluted tubules. Recommended concentration, 2-4ug/ml.
<b>POSITIVE CONTROL:</b>	1) Cat. No. 1205 - Jurkat Cell Lysate
<b>SPECIFICITY:</b>	This antibody is expected to recognise all 4 reported isoforms (represented by NP_002810.1; NP_114367.1; NP_114368.1; NP_787041.1).
<b>IMMUNOGEN:</b>	PTB antibody was raised against a 13 amino acid synthetic peptide near the N-Terminus of PTB.
<b>HOST SPECIES:</b>	Goat

### Properties

<b>PURIFICATION:</b>	PTB antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PTB antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
<b>CONCENTRATION:</b>	500 ug/mL
<b>STORAGE CONDITIONS:</b>	Aliquot and store at -20°C. Minimize freezing and thawing.
<b>CLONALITY:</b>	Polyclonal
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	PTBP1, polypyrimidine tract binding protein 1, PTB, PTB2, PTB3, PTB4, pPTB, HNRPI, PTB-1, HNRNPI, RNA
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binding protein, heterogeneous nuclear ribonucleoprotein polypeptide I, polypyrimidine tract binding protein  
(heterogeneous nuclear ribonucleoprotein I), Ptb

ACCESSION NO.:	NP_002810.1, NP_114367.1, NP_114368.1, NP_787041.1
PROTEIN GI NO.:	4506243
OFFICIAL SYMBOL:	PTBP1
GENE ID:	19205 (mouse); 29497 (rat);

#### Background

REFERENCES:	1) Charlet-B N, Logan P, Singh G, Cooper TA. Dynamic antagonism between ETR-3 and PTB regulates cell type-specific alternative splicing. Mol Cell. 2002 Mar;9(3):649-58.
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FOR RESEARCH USE ONLY

December 13, 2016