

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06088 - Goat Anti-PTBP1 / PTB Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** PTBP1, PTB, polypyrimidine tract binding protein 1, PTB2, PTB3, PTB4, pPTB, HNRPI, PTB-1, HNRNPI, RNA binding protein, heterogeneous nuclear ribonucleoprotein polypeptide I, polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I), HNRNP-I, MGC10830, MGC8461, RNA-binding protein, heterogeneous nuclear ribonucleoprotein I

**Official Symbol:** PTBP1

**Accession Number(s):** NP\_002810.1; NP\_114367.1; NP\_114368.1; NP\_787041.1

**Non-Human GeneID(s):** 19205 (mouse), 29497 (rat)

**Important Comments:** This antibody is expected to recognise all 4 reported isoforms (represented by NP\_002810.1; NP\_114367.1; NP\_114368.1; NP\_787041.1).

### Immunogen

Peptide with sequence DGIVPDIAVGTKR-C, from the N Terminus of the protein sequence according to NP\_002810.1; NP\_114367.1; NP\_114368.1; NP\_787041.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:32000.

**Western blot:** Approx 55kDa band observed in Human, Mouse and Rat Ovary lysates and 60kDa band observed in nuclear lysates of cell lines HeLa, HepG2, Jurkat, HEK293 and 3T3N (calculated MW of 57.2kDa according to NP\_114368.1). Recommended concentration: 0.01-0.3µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Pig Liver and Ovary for this particular batch.

**IHC:** In paraffin embedded Human Kidney shows nuclear membrane staining in all the convoluted tubules. Recommended concentration: 2-4µg/ml.

### Species Reactivity

**Tested:** Human, Mouse, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig, Cow

EB06088 (0.1µg/ml) staining of Human Ovary lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06088 (0.01µg/ml) staining of HeLa (A), HepG2 (B), Jurkat (C) and HEK293 (D) nuclear lysates (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06088 (0.03µg/ml) staining of lysates of cell line NIH3T3 (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06088 (0.1-0.3µg/ml) staining of Mouse Ovary (A) and Rat Ovary (B) lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB06088 (2µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.