



Goat anti-PTBP1 / PTB Antibody

Item Number	dAP-0246
Target Molecule	Principle Name: PTBP1 / PTB; Official Symbol: PTBP1; All Names and Symbols: 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); Accession Number (s): NP_002810.1; NP_114367.1; NP_114368.1; NP_787041.1; Human Gene ID(s): ; Non-Human GeneID(s): 19205 (mouse) 29497 (rat)
Immunogen	DGIVPDIAVGTKR, is from N Terminus This antibody is expected to recognise all 4 reported isoforms (represented by NP_002810.1; NP_114367.1; NP_114368.1; NP_787041.1).
Applications	Pep ELISA, WB, IHC Species Tested: Human, Mouse, Rat
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	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
IHC	Immunohistochemistry: In paraffin embedded Human Kidney shows nuclear membrane staining in all the convoluted tubules. Recommended concentration: 2-4µg/ml.
Reference	Reference(s): 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..PMID: 11931771->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**