

Rabbit PTBP1 Polyclonal Antibody | anti-PTBP1 antibody

Anti-PTBP1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA27723	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Immunoprecipitation

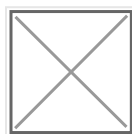
PRODUCT SYNONYMS

PTBP1; Polyclonal Antibody; Anti-PTBP1 Antibody; Rabbit Polyclonal; PTBP1 Antibody; Rabbit PAb; Antigen Affinity Purified; polypyrimidine tract binding protein 1; Anti-HNRNP-I Antibody; Anti-HNRNPI Antibody; Anti-HNRPI Antibody; Anti-pPTB Antibody; Anti-PTB Antibody; Anti-PTB-1 Antibody; Anti-PTB-T Antibody; Anti-PTB2 Antibody; Anti-PTB3 Antibody; Anti-PTB4 Antibody; anti-PTBP1 antibody

PRODUCT SPECIFICATIONS

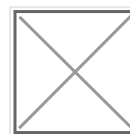
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PTBP1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PTBP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC-P: 1:1000-1:5000 ICC/IF: 1:300-1:10,000 IP: 1-4uL/mg of lysate
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human PTBP1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human PTBP1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining PTBP1 in rat kidney with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining PTBP1 in mouse small intestine with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



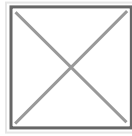
IHC (Immunohistochemistry)

Immunochemical staining PTBP1 in mouse kidney with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.



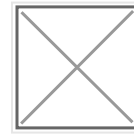
IP (Immunoprecipitation)

PTBP1 was immunoprecipitated using: Lane A:0.5 mg Jurkat Whole Cell Lysate Lane B:0.5 mg HepG2 Whole Cell Lysate 4 uL anti-PTBP1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-PTBP1 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 57 kDa Observed band size: 57 kDa



IF (Immunofluorescence)

Immunofluorescence staining of PTBP1 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human PTBP1 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor594-conjugated Goat Anti-rabbit IgG secondary antibody (red) Positive staining was localized to nucleus.



IHC (Immunohistochemistry)

Immunochemical staining PTBP1 in human breast carcinoma with rabbit polyclonal antibody (1:2000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-PTBP1 antibody	Polypyrimidine tract-binding protein 1 (PTBP1) is a highly conserved RNA-binding protein that is a well-known regulator of alternative splicing. PTBP1, a heterogeneous nuclear ribonucleoprotein, is a multifunctional RNA-binding protein. PTBP1 participates in some biological processes, including maintaining cell structure and motility, immunity, protein metabolism, and the cell cycle. PTBP1 involving in almost all steps of mRNA regulation including alternative splicing metabolism during tumorigenesis due to its RNA-binding activity. PTBP1 facilitates colorectal cancer migration and invasion activities by the inclusion of cortactin exon 11 and contributes to spermatogenesis through the regulation of spermatogonia proliferation. It has been reported that PTBP1 is overexpressed in many different types of cancer and this high expression is associated with increased proliferation and poor prognoses.
References	Wang ZN, et al. (2017) High expression of ptbp1 promote invasion of colorectal cancer by alternative splicing of cortactin. Oncotarget 8 (22): 36185-36202. Shan H, et al. (2018) Ptbp1 knockdown in renal cell carcinoma inhibits cell migration, invasion and angiogenesis in vitro and metastasis in vivo via the hypoxia inducible factor-1alpha pathway. Int J Oncol 52 (5): 1613-1622. Senoo M, et al. (2019) Ptbp1 contributes to spermatogenesis through regulation of proliferation in spermatogonia. J Reprod Dev 65 (1): 37-46. Kang H, et al. (2019) A mir-194/ptbp1/ccnd3 axis regulates tumor growth in human hepatocellular carcinoma. J Pathol 249 (3): 395-408.

NCBI AND UNIPROT INFORMATION

NCBI GI #	131528
NCBI GeneID	5725
UniProt Accession #	P26599; Q9BUQ0
Molecular Weight	531
NCBI Official Full Name	Polypyrimidine tract-binding protein 1
NCBI Official Synonym Full Names	polypyrimidine tract binding protein 1
NCBI Official Symbol	PTBP1
NCBI Official Synonym Symbols	PTB; PTB2; PTB3; PTB4; pPTB; HNRPI; PTB-1; PTB-T; HNRNPI; HNRNP-I
NCBI Protein Information	polypyrimidine tract-binding protein 1; hnRNP I; RNA-binding protein; 57 kDa RNA-binding protein PPTB-1; heterogeneous nuclear ribonucleoprotein I; heterogeneous nuclear ribonucleoprotein polypeptide I; polypyrimidine tract binding protein (heterogeneous
UniProt Protein Name	Polypyrimidine tract-binding protein 1

UniProt Gene Name	PTBP1
UniProt Synonym Gene Names	PTB; PTB; hnRNP I
UniProt Entry Name	PTBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ptbp1-antibody-western-blot-immunohistochemistry-immunocytochemistry-immunofluorescence-immunoprecipitation-elisa/27723>