



PTBP1 Rabbit pAb

Catalog No	YP-Ab-18749
Isotype	IgG
Reactivity	Human,Rat
Applications	WB
Gene Name	
Immunogen	Synthesized peptide derived from human PTBP1
Specificity	This antibody detects endogenous levels of PTBP1 at Human,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	PTB;PTB2;PTB3;PTB4;pPTB;HNRPI;PTB-1;PTB-T;HNRNPI;HNRNP-I;PTBP1; PTBP1 PTB;Polypyrimidine tract-binding protein 1 (PTB) (57 kDa RNA-binding protein PPTB-1) (Heterogeneous nuclear ribonucleoprotein I) (hnRNP I)
Observed Band	59 kDa
Calculated Molecular Weight	60 kDa/57 kDa/59 kDa
Cell Pathway	Nucleus.
Tissue Specificity	
Function	Plays a role in pre-mRNA splicing and in the regulation of alternative splicing events. Activates exon skipping of its own pre-mRNA during muscle cell differentiation. Binds to the polypyrimidine tract of introns. May promote RNA looping when bound to two separate polypyrimidine tracts in the same pre-mRNA. May promote the binding of U2 snRNP to pre-mRNA. Cooperates with RAVER1 to modulate switching between mutually exclusive exons during maturation of the TPM1 pre-mRNA. Represses the splicing of MAPT/Tau exon 10 . Binds to polypyrimidine-rich controlling element (PCE) of CFTR and promotes exon skipping of CFTR exon 9, thereby antagonizing TIA1 and its role in exon inclusion of CFTR exon 9 . Plays a role in the splicing of pyruvate kinase PKM by binding repressively to a polypyrimidine tract flanking PKM exon 9,



inhibiting exon 9 inclusion and resulting in exon 10 inclusion and production of the PKM M2 isoform . In case of infection by picornaviruses, binds to the viral internal ribosome entry site (IRES) and stimulates the IRES-mediated translation .

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images