

Rabbit Anti-PTBP1/Cy5 Conjugated antibody

SL11220R-Cy5

Product Name	Anti-PTBP1/Cy5
Chinese Name	Cy5 标记的核糖核酸 Binding protein1 抗体
Alias	Heterogeneous nuclear ribonucleoprotein I; Heterogeneous Nuclear Ribonucleoprotein Polypeptide I; hnRNP I; HNRNPI; HNRPI; MGC10830; MGC8461; Polypyrimidine Tract Binding Protein 1; Polypyrimidine tract binding protein; Polypyrimidine tract-binding protein 1; pPTB; PTB 1; PTB 2; PTB 3; PTB 4; PTB; PTB T; PTB1; PTB2; PTB3; PTB4; PTBP 1; PTBP1; PTBP1_HUMAN; PTBT; RNA Binding Protein; 57 kDa RNA binding protein PPTB 1; 57 kDa RNA binding protein PPTB1; 57 kDa RNA-binding protein PPTB-1.
Research Area	Chromatin and nuclear signals Binding protein
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Rat(predicted:Mouse,Chicken,Dog,Pig,Cow,Horse,Sheep) ICC=1:50-200 IF=1:50-200
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	57kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PTBP1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: Plays a role in pre-mRNA splicing and in the regulation of alternative splicing

events. 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.

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.

Subunit:

Contains 4 RRM (RNA recognition motif) domains.

Subcellular Location:

Nucleus.

Similarity:

Contains 4 RRM (RNA recognition motif) domains.

Database links:

[Entrez Gene: 5725](#) Human

[Entrez Gene: 19205](#) Mouse

[Entrez Gene: 29497](#) Rat

[Omim: 600693](#) Human

[SwissProt: P26599](#) Human

[SwissProt: P17225](#) Mouse

[SwissProt: Q00438](#) Rat

[Unigene: 172550](#) Human

[Unigene: 265610](#) Mouse



[Unigene: 472059](#) Mouse

[Unigene: 64440](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.