



Rabbit Anti-PTBP1 antibody

SL11220R

Product Name:	PTBP1
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	57kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PTBP1:451-531/531
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

SWISS:

P26599

Gene ID:

5725

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

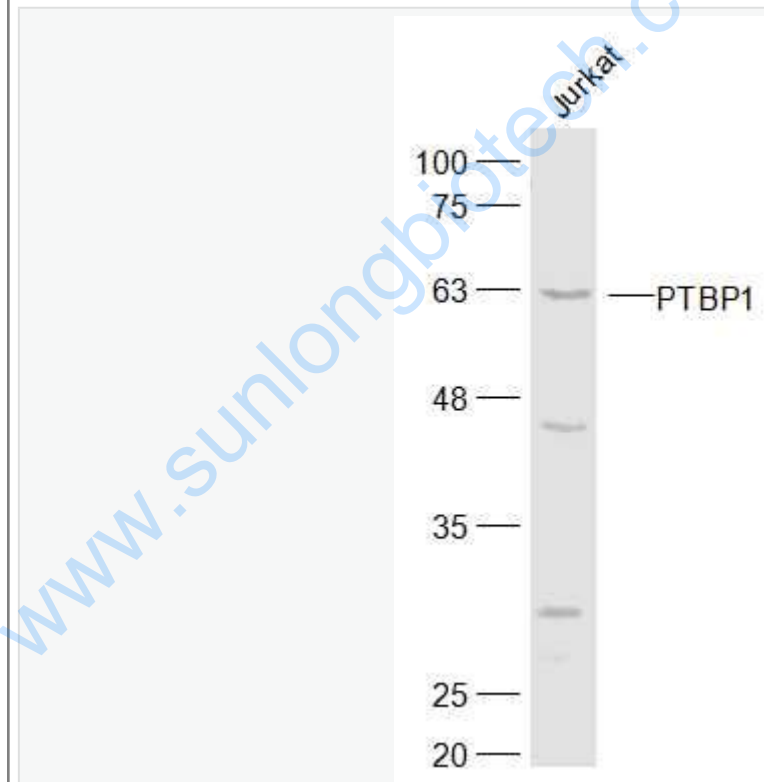
[Unigene: 472059](#)Mouse

[Unigene: 64440](#)Rat

Important Note:

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

Picture:



Sample:

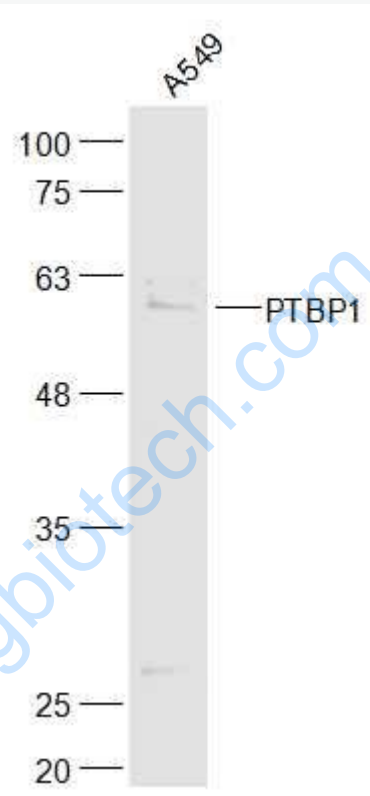
Jurkat(Human) Cell Lysate at 30 ug

Primary: Anti-PTBP1 (SL11220R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 57 kD

Observed band size: 57 kD



Sample:

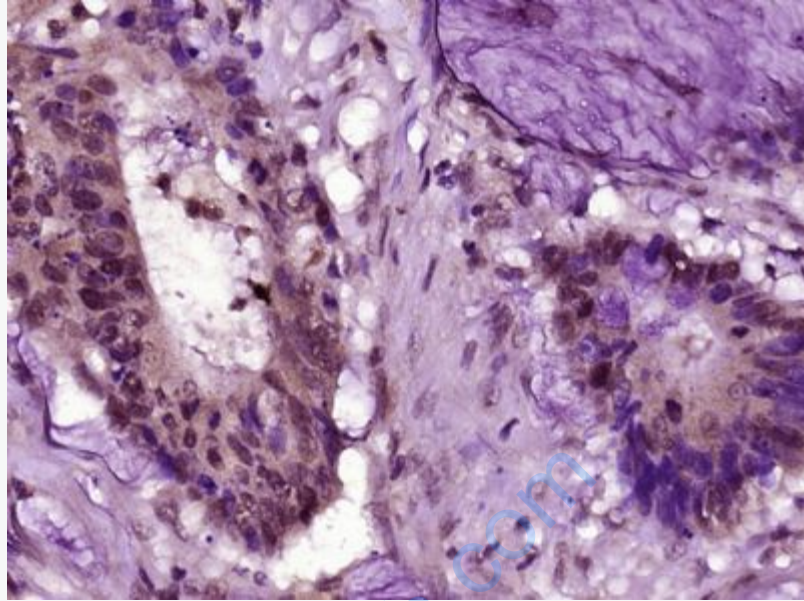
A549(Human) Cell Lysate at 30 ug

Primary: Anti-PTBP1 (SL11220R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 57 kD

Observed band size: 57 kD



Paraformaldehyde-fixed, paraffin embedded (Human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTBP1) Polyclonal Antibody, Unconjugated (SL11220R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.