

## PTBP1 Rabbit pAb

CatalogNo: YN5766

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Rat

#### Applications

- WB

#### MW

- 61kD (Calculated)

#### Isotype

- IgG

### | Recommended Dilution Ratios

WB 1:500-2000

### | Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

**Clonality** Polyclonal

### | Immunogen Information

**Immunogen** Synthesized peptide derived from human PTBP1

**Specificity** This antibody detects endogenous levels of PTBP1 at Human,Rat

### | Target Information

**Gene name** PTBP1 PTB

**Protein Name** Polypyrimidine tract-binding protein 1 (PTB) (57 kDa RNA-binding protein PPTB-1) (Heterogeneous nuclear ribonucleoprotein I) (hnRNP I)

Organism	Gene ID	UniProt ID
Human	<a href="#">5725;</a>	<a href="#">P26599;</a>
Mouse		<a href="#">P17225;</a>
Rat		<a href="#">Q00438;</a>

**Cellular Localization** Nucleus.

**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 RAVR1 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 .

## Validation Data

## Contact information

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**PTBP1 Rabbit pAb**

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