

Anti-PTBP1 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17357**Specification**

Anti-PTBP1 Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P26599
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	59633

Anti-PTBP1 Antibody - Additional Information**Gene ID 5725**Alias Symbol **PTBP1****Other Names**

PTBP1, HnRNP I, HNRNPI, HNRPI, PTB, PPTB, PTB2, PTB4, RNA-binding protein, HNRNP-I, PTB-1, PTB-T, PTB3

Target/Specificity

Human PTBP1

Reconstitution & Storage

PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions

Anti-PTBP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-PTBP1 Antibody - Protein Information**Name** PTBP1**Synonyms** PTB**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 (PubMed:15009664). 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 (PubMed:14966131). 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 (PubMed:20010808). In case of infection by picornaviruses, binds to the viral internal ribosome entry site (IRES) and stimulates the IRES- mediated translation (PubMed:21518806).

Cellular Location

Nucleus.

Anti-PTBP1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-PTBP1 Antibody - Images