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Anti-PTBP1 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17357

Product Information

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

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.

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 RAVER1 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. Cytoplasm. Cytoplasm, P-body

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.