PTBP2 Positive Control

PRODUCT OVERVIEW

Product Name	PTBP2, Positive Control
Full Product Name	PTBP2 Positive Control
Product Gene Name	PTBP2 positive control
Concentration	The concentration of the sample is empirically set so that 20 ul per lane in Western and blotted with corresponding affinity purified antibody will give a clean band with a high signal to noise ratio on the gel. (lot specific)
Preparation and Storage	Store at -20 degree C for long term storage
Matching Pairs	Antibody: PTBP2 (MBS5401475) Positive Control: PTBP2 (MBS5401311)
Matching Pairs	Antibody: PTBP2 (MBS5401476) Positive Control: PTBP2 (MBS5401311)
Molecular Weight	38,336 Da
OMIM	AF176085 mRNA
3D Structure	ModBase 3D Structure for Q9UKA9
Immunogen	Purified Polypyrimidine tract-binding protein 2/PTBP2
Product Categories/Family for PTBP2 positive control	Biomolecule
Applications Tested/Suitable for PTBP2 positive control	Western Blot (WB)
Related Product Information for PTBP2 positive control	Western Blot Positive Control Polypyrimidine tract-binding protein 2/PTBP2 Antibody
Other Notes	Small volumes of PTBP2 positive control vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PTBP2 purchase	MBS5401311 is a positive control targeting PTBP2.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTBP2. It may not necessarily be applicable to this product.

NCBI GI #	665821280
NCBI GeneID	58155
NCBI Accession #	NP_001287914.1
UniProt Primary Accession #	Q9UKA9
UniProt Secondary Accession #	Q8N0Z1; Q8N160; Q8NFB0; Q8NFB1; Q969N9; Q96Q76
UniProt Related Accession #	Q9UKA9
GenBank Nucleotide #	NM_001300985.1
NCBI Official Full Name	polypyrimidine tract-binding protein 2 isoform 1

NCBI Official Synonym Full Names	polypyrimidine tract binding protein 2
NCBI Official Symbol	PTBP2
NCBI Official Synonym Symbols	nPTB; PTBLP; brPTB
UniProt Protein Name	Polypyrimidine tract-binding protein 2
UniProt Synonym Protein Names	Neural polypyrimidine tract-binding protein; Neurally-enriched homolog of PTB; PTB-like protein
Protein Family	Polypyrimidine tract-binding protein
UniProt Gene Name	PTBP2
UniProt Synonym Gene Names	NPTB; PTB; PTBLP
NCBI Protein Information	polypyrimidine tract-binding protein 2
NCBI Summary for PTBP2	The protein encoded by this gene binds to intronic polypyrimidine clusters in pre-mRNA molecules and is implicated in controlling the assembly of other splicing-regulatory proteins. This protein is very similar to the polypyrimidine tract binding protein (PTB) but most of its isoforms are expressed primarily in the brain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
UniProt Comments for PTBP2	PTBP2: RNA-binding protein which binds to intronic polypyrimidine tracts and mediates negative regulation of exons splicing. May antagonize in a tissue-specific manner the ability of NOVA1 to activate exon selection. Beside its function in pre- mRNA splicing, plays also a role in the regulation of translation. Isoform 5 has a reduced affinity for RNA. 6 isoforms of the human protein are produced by alternative splicing. Protein type: RNA processing; RNA-binding Chromosomal Location of Human Ortholog: 1p21.3 Cellular Component: cell soma; growth cone; spliceosomal complex Molecular Function: mRNA binding; RNA binding Biological Process: cerebellum development; mRNA splice site selection; negative regulation of RNA splicing; regulation of neural precursor cell proliferation; spinal cord development
Research Articles on PTBP2	**1.** It has been established that PTBP1 and PTBP2 are members of a family of cryptic exon repressors.
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