

Rabbit PTBP2 Polyclonal Antibody | anti-PTBP2 antibody

PTBP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323695	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

PTBP2; Polyclonal Antibody; PTBP2 Antibody; brPTB; FLJ34897; MIBP; Neural polypyrimidine tract binding protein; Neural polypyrimidine tract-binding protein; Neurally enriched homolog of PTB; Neurally-enriched homolog of PTB; nPTB 5; nPTB 6; nPTB 7; nPTB 8; nPTB; nPTB5; nPTB6; nPTB7; nPTB8; Polypyrimidine tract binding protein 2; Polypyrimidine tract-binding protein 2; PTB; PTB like; PTB like protein; PTB-like protein; PTBLP; PTBP 2; Ptbp2; PTBP2_HUMAN; Splicing regulator; anti-PTBP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PTBP2 antibody detects endogenous levels of total PTBP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	537
Applicable Applications for anti-PTBP2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PTBP2
Subcellular Location	Nucleus.
Tissue Specificity	Mainly expressed in brain although also detected in other tissues like heart and skeletal muscle. Isoform 1 and isoform 2 are specifically expressed in neuronal tissues. Isoform 3 and isoform 4 are expressed in non-neuronal tissues. Isoform 5 and isoform 6 are truncated forms expressed in non-neuronal tissues.
Predicted Cross Reactivity	Pig, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemisry)
AAA323695 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



IF (Immunofluorescence)
AAA323695 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of PTBP2 using HT-29 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PTBP2 antibody	Function: 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. In addition to its function in pre-mRNA splicing, plays also a role in the regulation of translation. Isoform 5 has a reduced affinity for RNA. Subunit Structure: Monomer. Interacts with NOVA1; the interaction is direct. Interacts with NOVA2; the interaction is direct (By similarity). Identified in a mRNP complex, at least composed of DHX9, DDX3X, ELAVL1, HNRNPU, IGF2BP1, ILF3, PABPC1, PCBP2, PTBP2, STAU1, STAU2, SYNCRIP and YBX1. Part of a ternary complex containing KHSRP and HNRPH1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	665821280
NCBI GeneID	58155
NCBI Accession #	NP_001287914.1
NCBI GenBank Nucleotide #	NM_001300985.1
UniProt Accession #	Q9UKA9; Q8N0Z1; Q8N160; Q8NFB0; Q8NFB1; Q969N9; Q96Q76
Molecular Weight	Observed: 57 kDa Predicted: 58 kDa
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
NCBI Protein Information	polypyrimidine tract-binding protein 2
UniProt Protein Name	Polypyrimidine tract-binding protein 2
UniProt Gene Name	PTBP2
UniProt Synonym Gene Names	NPTB; PTB; PTBLP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

