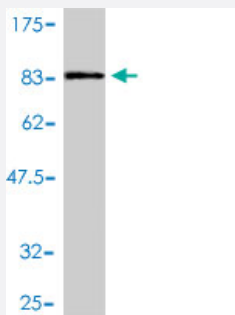


PTBP2 polyclonal antibody (A01)

Catalog # H00058155-A01

Size 50 uL

Applications



Western Blot detection against Immunogen (84.63 KDa) .

Specification

Product Description

Mouse polyclonal antibody raised against a full-length recombinant PTBP2.

Immunogen

PTBP2 (AAH16582, 1 a.a. ~ 532 a.a) full-length recombinant protein with GST tag.

Sequence

MDGIVTEVAVGVKRGSDLLSGSVLSSPNSNMSSMVTANGNDSKKFKGEDKMDGAPSRVLHI
 RKLPGEVTEVEIALGLPFGKVTNMLKGKNQAFLELATEEAATMVNYYSAVTPHLRNQPIYQYSN
 HKELKTDNTLNQRAQAVLQAVTAVQTANTPLSGTTVSESAVTPAQSPVLRIDNMYYPVTLVDLHQI
 FSKFGAVLKIIITFTKNNQFQALLQYGDVPVNAQQAKLALDGGQNYNACCTLRIDFSKLVNLNVKYNN
 KSRDYTRPDLPSPGDGQPALDPAIAAAFAKETSLAVPGALSPLAIPNAAAAAAAAAAGRVMGPG
 VSAGGNTVLLVSNLNEEMVTPQSLFTLFGVYGDVQVRVKILYNKKDSALIQMADGNQSQLAMNHLN
 GQKMYGKIIRVTLKSHQTVQLPREGLDDQGLTKDFGNSPLHRFKKPGSKNFQNIFFPSATLHLSNI
 PPSVAEEDLRTLFA NTGGTVKAFKFFQRDHK MALLQMATVEEAIQALIDLHNYNLGENHHLRVSF
 KSTI

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
 Western Blot detection against Immunogen (84.63 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PTBP2

Entrez GeneID [58155](#)**GeneBank Accession#** [BC016582](#)**Protein Accession#** [AAH16582](#)**Gene Name** PTBP2**Gene Alias** FLJ34897, PTB, PTBLP, brPTB, nPTB, nPTB5, nPTB6, nPTB7, nPTB8**Gene Description** polypyrimidine tract binding protein 2**Omim ID** [608449](#)**Gene Ontology** [Hyperlink](#)

Gene Summary The protein encoded by this gene binds to the intronic cluster of RNA regulatory elements, downstream control sequence (DCS). It is implicated in controlling the assembly of other splicing-regulatory proteins. This protein is very similar to the polypyrimidine tract binding protein but it is expressed primarily in the brain. [provided by RefSeq]

Other Designations OTTHUMP00000012411|PTB-like|neural polypyrimidine tract binding protein|splicing regulator

Publication Reference

- [Matrin3 binds directly to intronic pyrimidine-rich sequences and controls alternative splicing.](#)

Uemura Y, Oshima T, Yamamoto M, Reyes CJ, Costa Cruz PH, Shibuya T, Kawahara Y.

Genes to Cells : Devoted to Molecular & Cellular Mechanisms 2017 Jul; 22(9):785.

Application: WB-Tr, Human, SH-SY5Y cells

- [PTB deficiency causes the loss of adherens junctions in the dorsal telencephalon and leads to lethal hydrocephalus.](#)

Shibasaki T, Tokunaga A, Sakamoto R, Sagara H, Noguchi S, Sasaoka T, Yoshida N.

Cerebral Cortex (New York, N.Y. : 1991) 2013 Aug; 23(8):1824.

Application: WB-Ti, IHC-P, Mouse, Brains of pups and embryos

- [PTBP1 Is Required for Embryonic Development before Gastrulation.](#)

Suckale J, Wendling O, Masjkur J, Jager M, Munster C, Anastassiadis K, Stewart AF, Solimena M.

PLoS One 2011 Feb; 6(2):e16992.

Application: IHC, Mouse, Decidua

- [Polypyrimidine tract-binding protein 1 regulates the alternative splicing of dopamine receptor D2.](#)

Sasabe T, Futai E, Ishiura S.

Journal of Neurochemistry 2011 Jan; 116(1):76.

Application: WB, Human, HEK 293 cells

- [Polypyrimidine Tract-Binding Protein 2 Binds to Selective, Intronic Messenger RNA and MicroRNA Targets in the Mouse Testis.](#)

Xu M, Hecht NB.

Biology of Reproduction 2011 Mar; 84(3):435.

Application: WB-Tr, Mouse, N2A cells

- [Alternative splicing of neurexins: a role for neuronal polypyrimidine tract binding protein.](#)

Resnick M, Segall A, G GR, Lupowitz Z, Zisapel N.

Neuroscience Letters 2008 May; 439(3):235.

Application: WB-Tr, Mouse, RGC-5 cells

- [Two-dimensional fluorescence difference gel electrophoresis analysis of spermatogenesis in the rat.](#)

Rolland AD, Evrard B, Guitton N, Lavigne R, Calvel P, Couvet M, Jegou B, Pineau C.

Journal of Proteome Research 2006 Dec; 6(2):683.

Application: WB, Rat, Rat spermatogonia (SPG), pachytene spermatocytes (SPC), and early spermatids (SPT)

Disease

- [Tobacco Use Disorder](#)