10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PTBP2 Recombinant Rabbit mAb

Catalog # AP96500

Product Information

Application	WB, IHC-P, IHC-F, IF
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG/Kappa
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 4 RRM (RNA recognition motif) domains.
SUBUNIT	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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PTBP-2 is a member of the polypyrimidine tract binding family of proteins. Predominantly expressed in brain, but also found in heart and skeletal muscle, PTBP-2 localizes to the nucleus and contains four RRM (RNA recognition motif) domains. PTBP-2 functions as an RNA-binding protein associated in a complex that is involved in the regulation of exon splicing and the stabilization of mRNAs in the cytoplasm. Six isoforms exist for PTBP-2 due to alternative splicing events. Isoforms 1 and 2 (also known as nPTB1 and nPTB2/PTBPLP-L, respectively) are neuronal-specific. Isoforms 3 and 4 (also known as nPTB3/PTBPLP-L and nPTB4, respectively) are found in non-neuronal tissues, as are isoforms 5 and 6 (also known as nPTB5/nPTB7/PTBPLP-S and nPTB6/nPTB8/PTBPLP-S, respectively). The existence of various isoforms may function to modulate the RNA-binding properties of PTBP-2

Additional Information

Other Names	PTBLP; brPTB; nPTB; Ptb2; PTBLP-L; PTBLP-S; PTBP2_HUMAN; PTBP2; Neural polypyrimidine tract-binding protein; Neurally-enriched homolog of PTB; PTB-like protein; PTB; PTBP2_MOUSE; Brain-enriched polypyrimidine tract-binding protein (Brain-enriched PTB); RRM-type RNA-binding protein brPTB; PTBP2_RAT; polypyrimidine tract binding protein 2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Name	PTBP2 Recombinant Rabbit mAb
Function	PTPBP2 is an RNA-binding protein which binds to intronic polypyrimidine tracts. It binds to the CUCUCU splicing repressor element of the downstream control sequence (DCS) and mediates negative regulation of exons splicing. It may also have a role in the regulation of translation. PTBP2 is thought to be involved in the switch to neuronal specific alternative splicing patterns during neuronal differentiation.

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