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PTBP2 Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a partial recombinant PTBP2.
Catalog # AT3480a

Product Information

Application	WB, IF
Primary Accession	Q9UKA9
Other Accession	BC016582
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2B11
Calculated MW	57491

Additional Information

Gene ID	58155
Other Names	Polypyrimidine tract-binding protein 2, Neural polypyrimidine tract-binding protein, Neurally-enriched homolog of PTB, PTB-like protein, PTBP2, NPTB, PTB, PTBLP
Target/Specificity	PTBP2 (AAH16582.1, 35 a.a. ~ 175 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PTBP2 Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

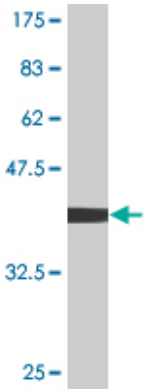
The protein encoded by this gene binds to the intronic cluster of RNA regulatory elements, downstream control sequence (DCS). It is implicated in controlling the assembly of other splicing-regulatory proteins. This protein is very similar to the polypyrimidine tract binding protein but it is expressed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

References

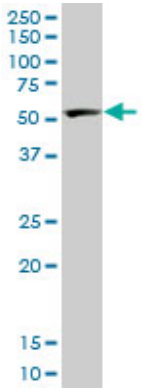
High glucose suppresses human islet insulin biosynthesis by inducing miR-133a leading to decreased polypyrimidine tract binding protein-expression. Fred RG, et al. PLoS One, 2010 May 26. PMID

20520763.Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.RNA looping by PTB: Evidence using FRET and NMR spectroscopy for a role in splicing repression. Lamichhane R, et al. Proc Natl Acad Sci U S A, 2010 Mar 2. PMID 20160105.HnRNP proteins controlled by c-Myc deregulate pyruvate kinase mRNA splicing in cancer. David CJ, et al. Nature, 2010 Jan 21. PMID 20010808.Role of polypyrimidine tract binding protein in mediating internal initiation of translation of interferon regulatory factor 2 RNA. Dhar D, et al. PLoS One, 2009 Sep 16. PMID 19756143.

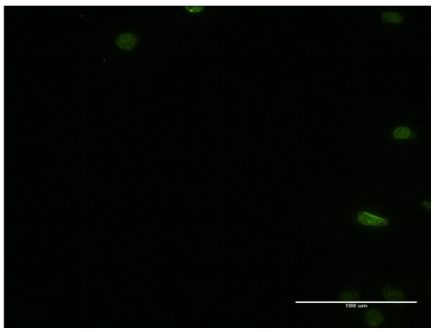
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (41.25 KDa) .



PTBP2 monoclonal antibody (M09), clone 2B11. Western Blot analysis of PTBP2 expression in Hela S3 NE ((Cat # AT3480a)



Immunofluorescence of monoclonal antibody to PTBP2 on HeLa cell . [antibody concentration 10 ug/ml]

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