

Rabbit PTBP2 Monoclonal Antibody | anti-PTBP2 antibody

Anti-PTBP2 Rabbit Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124473	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

PTBP2; Monoclonal Antibody; Anti-PTBP2 Rabbit Monoclonal Antibody; Polypyrimidine tract-binding protein 2; Neural polypyrimidine tract-binding protein; Neurally-enriched homolog of PTB; PTB-like protein; NPTB; PTB; PTBLP; anti-PTBP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Purity/Purification	Affinity-chromatography
Form/Format	Liquid
Sequence Length	361
Applicable Applications for anti-PTBP2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)
Immunogen	A synthesized peptide derived from human PTBP2
Subcellular Localization	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.
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Western blot analysis of PTBP2 in (1) Neuro-2a cell lysate; (2) HeLa cell lysate (AAA124473). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PTBP2 monoclonal antibody overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for PTBP2



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon, using PTBP2 Antibody(AAA124473). PTBP2 was detected in paraffin-embedded tissue section. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-PTBP2 Antibody (AAA124473) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-PTBP2 antibody	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.
Product Categories/Family for anti-PTBP2 antibody	Epigenetics and Nuclear Signaling; DNA/RNA; RNA Processing; splicing; Neuroscience; Neurology Process; Neurogenesis; Epigenetics and Nuclear Signaling; chromatin Binding Proteins; dna/rna binding

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	57491 MW
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.