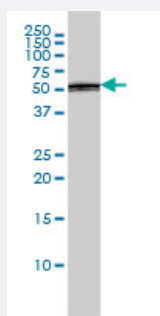


PTBP1 monoclonal antibody (M01), clone 3H8

Catalog # H00005725-M01

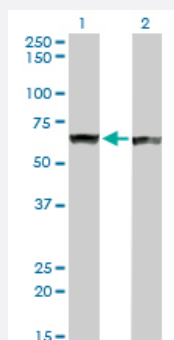
Size 100 ug

Applications



Western Blot (Cell lysate)

PTBP1 monoclonal antibody (M01), clone 3H8 Western Blot analysis of PTBP1 expression in A-431 (Cat # L015V1).

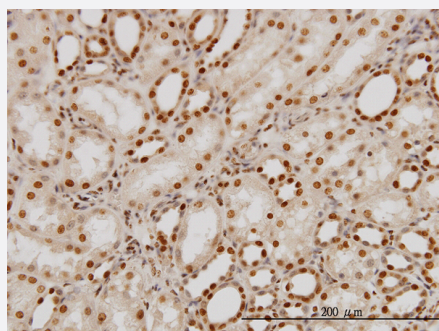


Western Blot (Transfected lysate)

Western Blot analysis of PTBP1 expression in transfected 293T cell line by PTBP1 monoclonal antibody (M01), clone 3H8.

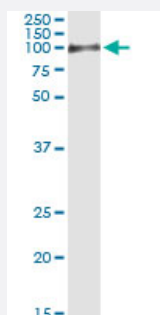
Lane 1: PTBP1 transfected lysate(59.6 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PTBP1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

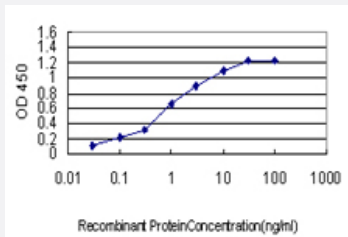


Immunoprecipitation

Immunoprecipitation of PTBP1 transfected lysate using anti-PTBP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PTBP1 MaxPab rabbit polyclonal antibody.

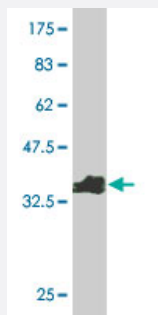
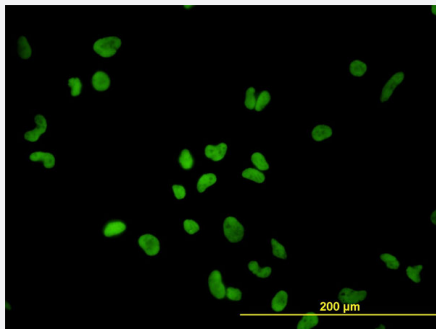
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTBP1 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PTBP1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PTBP1.
Immunogen	PTBP1 (NP_002810, 45 a.a. ~ 144 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KKFKGDSRSAGVPSRVIHIRKLPIDVTEGEVISLGLPFGKVTNLLMLKGKNQAFIEMNTEEAANTMV NYYTSVTPVLRGQPIYQFSNHKELKTDSSPNQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (94)
Isotype	IgG1 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

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

Applications

- Western Blot (Cell lysate)

PTBP1 monoclonal antibody (M01), clone 3H8 Western Blot analysis of PTBP1 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PTBP1 expression in transfected 293T cell line by PTBP1 monoclonal antibody (M01), clone 3H8.

Lane 1: PTBP1 transfected lysate(59.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to PTBP1 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PTBP1 transfected lysate using anti-PTBP1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PTBP1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTBP1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PTBP1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — PTBP1

Entrez GeneID	5725
GeneBank Accession#	NM_002819
Protein Accession#	NP_002810
Gene Name	PTBP1
Gene Alias	HNRNP-I, HNRNPI, HNRPI, MGC10830, MGC8461, PTB, PTB-1, PTB-T, PTB2, PTB3, PTB4, p PTB
Gene Description	polypyrimidine tract binding protein 1
Omim ID	600693
Gene Ontology	Hyperlink
Gene Summary	<p>This gene belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins (hnRNPs). The hnRNPs are RNA-binding proteins and they complex with heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein encoded by this gene has four repeats of quasi-RNA recognition motif (RRM) domains that bind RNAs. This protein binds to the intronic polypyrimidine tracts that requires pre-mRNA splicing and acts via the protein degradation ubiquitin-proteasome pathway. It may also promote the binding of U2 snRNP to pre-mRNAs. This protein is localized in the nucleoplasm and it is also detected in the perinuclear structure. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]</p>
Other Designations	RNA-binding protein heterogeneous nuclear ribonucleoprotein I heterogeneous nuclear ribonucleoprotein polypeptide I polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein I) polypyrimidine tract-binding protein 1

Publication Reference

- [PKM1 Confers Metabolic Advantages and Promotes Cell-Autonomous Tumor Cell Growth.](#)

Mami Morita, Taku Sato, Miyuki Nomura, Yoshimi Sakamoto, Yui Inoue, Ryota Tanaka, Shigemi Ito, Koreyuki Kurosawa, Kazunori Yamaguchi, Yuki Sugiura, Hiroshi Takizaki, Yoji Yamashita, Ryuichi Katakura, Ikuro Sato, Masaaki Kawai, Yoshinori Okada, Hitomi Watanabe, Gen Kondoh, Shoko Matsumoto⁰, Ayako Kishimoto⁰, Miki Obata, Masaki Matsumoto, Tatsuro Fukuhara, Hozumi Motohashi, Makoto Suematsu, Masaaki Komatsu, Keiichi I Nakayama, Toshio Watanabe⁰, Tomoyoshi Soga, Hiroshi Shima, Makoto Maemondo, Nobuh

Cancer Cell 2018 Mar; 33(3):355.

Application: WB-Tr, Human, HeLa cells

- [Subcellular western blotting of single cells.](#)

Yamauchi KA, Herr AE.

Microsystems & nanoengineering 2017 Feb; [Epub].

Application: IF, Human, U373 MG human glioblastoma cells

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
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- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)