

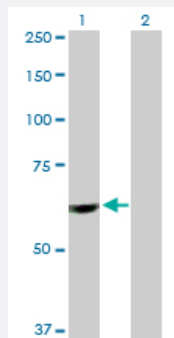
MaxPab®

PTBP1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005725-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PTBP1 expression in transfected 293T cell line ([H00005725-T01](#)) by PTBP1 MaxPab polyclonal antibody.

Lane 1: PTBP1 transfected lysate(59.60 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PTBP1 protein.

Immunogen

PTBP1 (NP_002810.1, 1 a.a. ~ 557 a.a) full-length human protein.

Sequence

MDGVPDIAVGTKRGSDELFTSTCVTNGPFIMSSNSASAANGNDSKKFKGDSRSAGVPSRVIHIRKL
PIDVTEGEVISLGLPFGKVNTLLMLKGKNQAFIEMNTEEAANTMVNYTSVTPVLRGQPMIQFSNHK
ELKTDSSPNQARAQAALQAVNSVQSGNLALAASAAVDAGMAMAGQSPVLRIVENLFYPVTLD
VLHQIFSKFGTVLKIITFTKNNQFQALLQYADPVSAQHAKLSLDGQNNYNACCTLRIDFSKLTSLNVK
YNNDKSRDYTRPDLPSGDSQPSLDQTMAAAFGAPGIISASPYAGAGFPPTFAIPQAAGLSVPNVH
GALAPLAIPSAAAAAAAAAGRIAIPGLAGAGNSVLLVSNLNPVRTPQSLFILFGVYGDVQRVKILFN
KKENALVQMADGNQAQLAMSHLNGHKLHGKPIRITLSKHQNVQLPREGQEDQGLTKDYGNSPLH
RFKKPGSKNFQNIFFPSATLHLSNIPPSVSEEDLKVLFSNNGGVVKGFKFFQKDRKMALIQMGSV
EEAVQALIDLHNHDLGENHHLRVFSFSKSTI

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

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

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[Protocol Download](#)

Gene Info — PTBP1

Entrez GeneID
[5725](#)
GeneBank Accession#
[NM_002819.3](#)
Protein Accession#
[NP_002810.1](#)
Gene Name

PTBP1

Gene Alias

HNRNP-I, HNRNP1, 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

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]

Other Designations

RNA-binding protein|heterogeneous nuclear ribonucleoprotein l|heterogeneous nuclear ribonucleo
protein polypeptide l|polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotei
n l)|polypyrimidine tract-binding protein 1

Disease

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