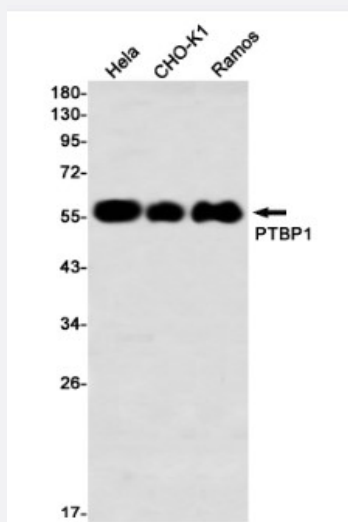


RecomAb™

# PTBP1 recombinant monoclonal antibody, clone R01-1G2

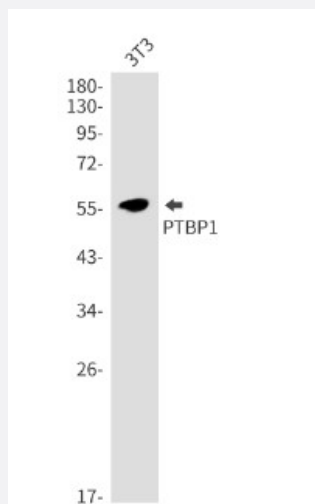
Catalog # RAB01376      Size 100 uL

## Applications



### Western Blot

Western Blot analysis of HeLa, CHO-K1, Ramos lysates with PTBP1 recombinant monoclonal antibody, clone R01-1G2 (Cat # RAB01376).



### Western Blot

Western Blot analysis of 3T3 cells with PTBP1 recombinant monoclonal antibody, clone R01-1G2 (Cat # RAB01376).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with PTBP1 recombinant monoclonal antibody, clone R01-1G2 (Cat # RAB01376).

### Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human PTBP1.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to human PTBP1.
<b>Theoretical MW (kDa)</b>	Calculated MW: 57 kD
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) Western Blot The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50mM Tris-Glycine, pH 7.4, (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
<b>Storage Instruction</b>	Store at 4°C. For longer storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

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## Gene Info — PTBP1

Entrez GeneID [5725](#)

Protein Accession# [P26599](#)

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 |heterogeneous nuclear ribonucleoprotein polypeptide |polypyrimidine tract binding protein (heterogeneous nuclear ribonucleoprotein)|polypyrimidine tract-binding protein 1

## Disease

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