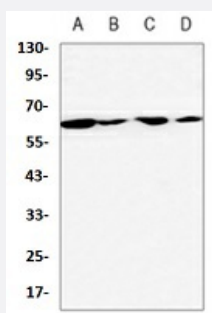


RecomAb™

PTBP1 recombinant monoclonal antibody

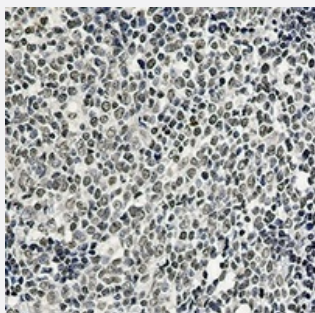
Catalog # RAB02604 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HeLa (A), CHOK1 (B), Ramos (C), NIH3T3 (D) whole cell lysates with PTBP1 recombinant monoclonal antibody (Cat # RAB02604).



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

Immunohistochemical analysis of human tonsil formalin fixed paraffin embedded tissue section using PTBP1 recombinant monoclonal antibody (Cat # RAB02604). The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.130). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PTBP1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human PTBP1.
Theoretical MW (kDa)	57
Reactivity	Hamster, Human, Mouse

Specificity	Recognizes endogenous levels of hnRNP I protein.
Form	Liquid
Purification	Immunogen affinity chromatography
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Gene Info — PTBP1

Entrez GeneID	5725
Protein Accession#	P26599
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

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](#)
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