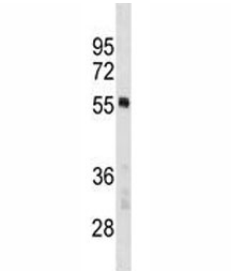
PTBP1 Antibody (F47514)

Catalog No.	Formulation	Size
F47514-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F47514-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P26599
Applications	Western blot: 1:1000
Limitations	This PTBP1 antibody is available for research use only.



PTBP1 antibody western blot analysis in MCF-7 lysate. Predicted molecular weight ~57kDa.

Description

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 perinucleolar structure. Alternatively spliced transcript variants encoding different isoforms have been described.

Application Notes

Titration of the PTBP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 26-55 from the human protein was used as the immunogen for this PTBP1 antibody.

Storage

Aliquot the PTBP1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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