

For Research Use Only

PTBP1 Monoclonal antibody, PBS Only



Catalog Number: 67462-1-PBS

Featured Product

Basic Information

Catalog Number:

67462-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28404

GenBank Accession Number:

BC013694

GeneID (NCBI):

5725

UNIPROT ID:

P26599

Full Name:

polypyrimidine tract binding protein

1

Calculated MW:

60 kDa

Observed MW:

60 kDa

Purification Method:

Protein A purification

CloneNo.:

3D6D8

Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

Human, mouse, rat

Background Information

Polypyrimidine tract-binding protein (PTBP1), also known as heterogeneous nuclear ribonucleoprotein type I (hnRNP I), is a nuclear protein that binds pre-mRNAs in specific regions of the hnRNA-protein complexes sensitive to micrococcal nuclease. It involves in pre-mRNA splicing and the regulation of alternative splicing events. PTBP1 promotes RNA looping when bound to two separate polypyrimidine tracts in the same pre-mRNA, and promotes the binding of U2 snRNP to pre-mRNA. Besides, it can cooperate with RAVER1 to modulate switching between mutually exclusive exons during maturation of the TPM1 pre-mRNA, and represses the splicing of MAPT/Tau exon 10.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

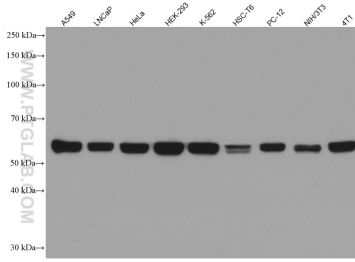
T: 4006900926

E: Proteintech-CN@ptglab.com

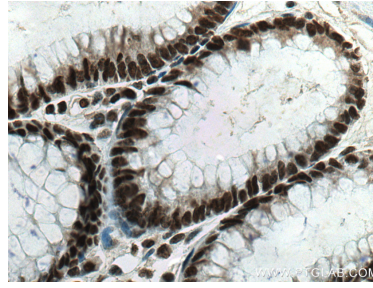
W: ptgcn.com

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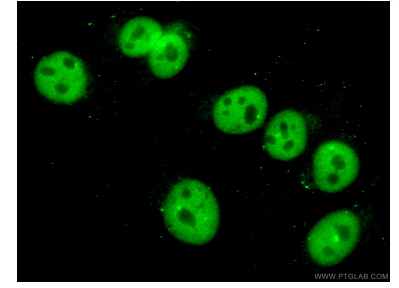
Selected Validation Data



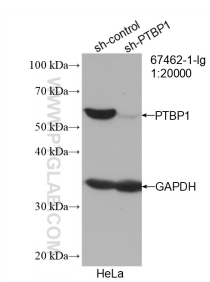
Various lysates were subjected to SDS PAGE followed by western blot with 67462-1-Ig (PTBP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67462-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67462-1-Ig (PTBP1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67462-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A375 cells using 67462-1-Ig (PTBP1 antibody), at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67462-1-PBS in a different storage buffer formulation.



WB result of PTBP1 antibody (67462-1-Ig; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-PTBP1 transfected HeLa cells. This data was developed using the same antibody clone with 67462-1-PBS in a different storage buffer formulation.