For Research Use Only

PTBP1 Monoclonal antibody, PBS Only

Catalog Number:67462-1-PBS Featured Product 1 Publications

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Basic Information

Catalog Number:
67462-1-PBS

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, IHC, IF/ICC, Indirect ELISA

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.

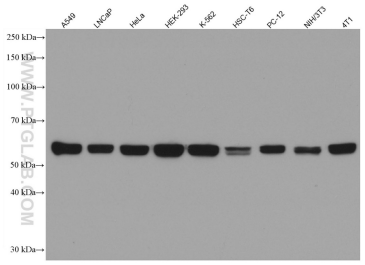
Notable Publications

Author	Pubmed ID	Journal	Application
Guangqiang Ye	42642414	Nat Commun	

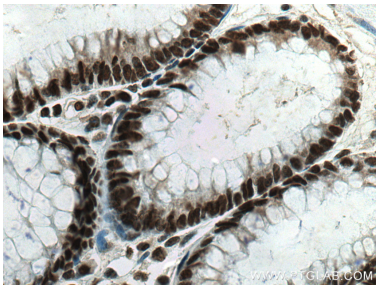
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

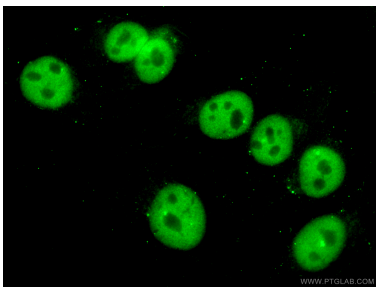
Selected Validation Data



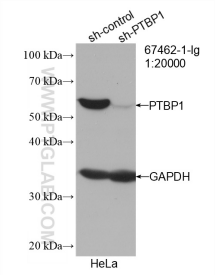
Various lysates were subjected to SDS PAGE followed by western blot with 67462-1-Ig (PTBP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67462-1-PBS in a different storage buffer formulation.



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.