

CoraLite[®]594-conjugated PTBP1 Monoclonal antibody

Catalog Number: **CL594-67462**

Basic Information

Catalog Number: CL594-67462	GenBank Accession Number: BC013694	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 5725	CloneNo.: 3D6D8
Source: Mouse	UNIPROT ID: P26599	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: polypyrimidine tract binding protein	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG28404	1	
	Calculated MW: 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : HepG2 cells,
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 RAVR1 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 -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

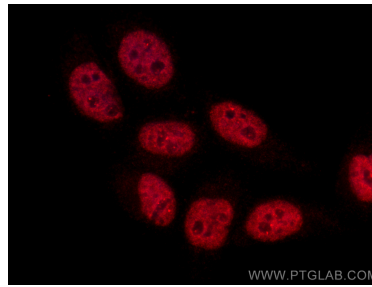
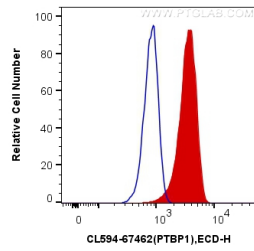
For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human PTBP1 (CL594-67462, Clone:3D6D8) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).

Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 PTBP1 antibody (CL594-67462, Clone: 3D6D8) at dilution of 1:200.