

For Research Use Only

CoraLite®594-conjugated PTBP1 Monoclonal antibody

Catalog Number:CL594-67462

Featured Product



Basic Information

Catalog Number:

CL594-67462

Size:

100ul , Concentration: 1000 ug/ml by
Nanodrop;

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 G purification

CloneNo.:

3D6D8

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima

wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

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 -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

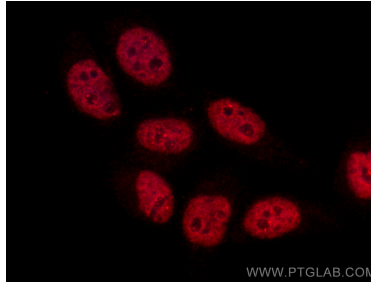
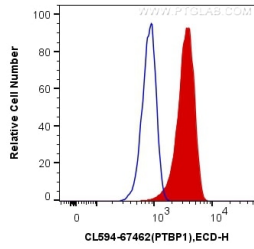
For technical support and original validation data for this product please contact:

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Selected Validation Data



1×10^6 HeLa cells were intracellularly stained with 0.4 μ g CoraLite[®]594 Anti-Human PTBP1 (CL594-67462, Clone:3D6D8) (red), or 0.4 μ g 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.