

CoraLite® Plus 488-conjugated PTBP1 Monoclonal antibody

Catalog Number: **CL488-67462**

Basic Information

Catalog Number:

CL488-67462

Size:

1000 µg/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 G purification

CloneNo.:

3D6D8

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

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 -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

