For Research Use Only

CoraLite® Plus 488-conjugated PABPN1 Recombinant monoclonal antibody

Catalog Number:CL488-87392

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL488-87392

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG27814

GenBank Accession Number:
BC010939

GeneID (NCBI):
8106

UNIPROT ID:
Q86U42

Full Name:
poly(A) binding protein, nuclear 1

Calculated MW:
33 kDa

Observed MW:
50-56 kDa

Purification Method:
Protein A purification

CloneNo.:
252794F12

Recommended Dilutions:
IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : MCF-7 cells,

Background Information

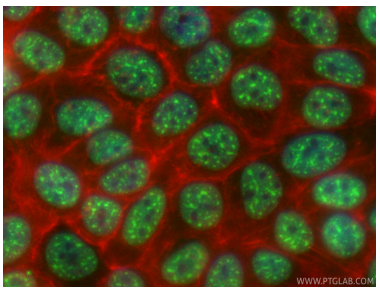
Poly(A) Binding Protein Nuclear 1(PABPN1) is one of the isoforms of poly(A) binding protein (PABP) that locating to the nucleus in eukaryotic cells. And PABPN1 plays important role in mRNA stability by regulating of poly-A tail length, mRNA decay and proximal polyadenylation site (PAS) utilization at the 3'-UTR (PMID:23300856). Another report showed that PABPN1 shuttles between the nucleus and the cytoplasm to export poly(A) RNA from the nucleus (PMID:23601051). It is reported that PABPN1 is ubiquitously expressed in almost all tissues, however, mutations in PABPN1 causes Oculopharyngeal Muscular Dystrophy (OPMD) which affected in skeletal muscles specifically. Because of a mild reduction in PABPN1 levels is sufficient to induce muscle wasting (PMID:27152426). Acetylation, Methylation, Phosphoprotein are common post-translational modifications of PABPN1 protein. And 50-55 kDa bands have been reported (PMID: 29939290; 28361972).

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, pH7.3
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.com W: ptgcn.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using CoraLite® Plus 488 PABPN1 antibody (CL488-87392, Clone: 252794F12) at dilution of 1:200, CL594-phalloidin (red).