

CoraLite® Plus 488-conjugated EIF4A3 Monoclonal antibody

Catalog Number: **CL488-67740**

Basic Information

Catalog Number:

CL488-67740

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG11130

GenBank Accession Number:

BC003662

GeneID (NCBI):

9775

UNIPROT ID:

P38919

Full Name:eukaryotic translation initiation
factor 4A, isoform 3**Calculated MW:**

47 kDa

Observed MW:

47 kDa

Purification Method:

Protein A purification

CloneNo.:

1G6H9

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

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

EIF4A3 is a component of the exon junction complex (EJC), which assembles near exon-exon junctions of mRNAs as a result of splicing. EJC proteins involves in postsplicing events, including mRNA export, cytoplasmic localization, and nonsense-mediated decay. Its RNA-dependent ATPase and RNA-helicase activities are induced by CASC3, but abolished in presence of the MAGOH/RBM8A heterodimer, thereby trapping the ATP-bound EJC core onto spliced mRNA in a stable conformation. Besides, it involved in translational enhancement of spliced mRNAs after formation of the 80S ribosome complex and binds spliced mRNA in sequence-independent manner, 20-24 nucleotides upstream of mRNA exon-exon junctions

Storage

Storage:

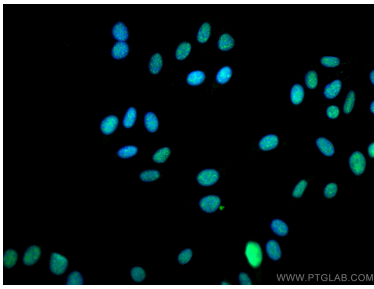
Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 EIF4A3 antibody (CL488-67740, Clone: 1G6H9) at dilution of 1:200.