

For Research Use Only

CoraLite® Plus 488-conjugated EEF1A1 Polyclonal antibody

Catalog Number: CL488-11402

Featured Product



Basic Information

Catalog Number:

CL488-11402

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1938

GenBank Accession Number:

BC014224

GeneID (NCBI):

1915

UNIPROT ID:

P68104

Full Name:

eukaryotic translation elongation factor 1 alpha 1

Calculated MW:

462 aa, 50 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.80 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

FC (Intra) : HeLa cells,

Background Information

EEF1A1, also named as EEF1A, EF1A and LENG7, belongs to the GTP-binding elongation factor family. This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. It is a typical housekeeping gene product required for the maintenance of cell growth and/or survival. In addition, EEF1A1 protects the aminoester bond against hydrolysis until a correct match between the codon on mRNA and the anti-codon on tRNA can be achieved. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human EEF1A1.

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:

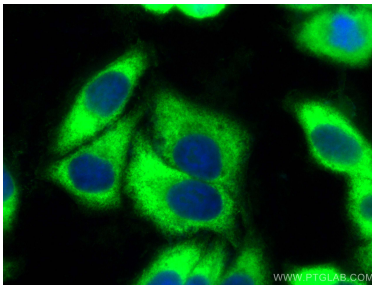
T: 4006900926

E: Proteintech-CN@ptglab.com

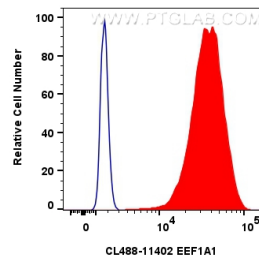
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 488 EEF1A1 antibody (CL488-11402) at dilution of 1:200.



1x10⁶ HeLa cells were intracellularly stained with 0.8 ug CoraLite® Plus 488-conjugated EEF1A1 Polyclonal antibody (CL488-11402)(red), or 0.8 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).