

For Research Use Only

CoraLite® Plus 488-conjugated TUFM Polyclonal antibody

Catalog Number:CL488-26730



Basic Information

Catalog Number:

CL488-26730

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24981

GenBank Accession Number:

BC010041

GeneID (NCBI):

7284

UNIPROT ID:

P49411

Full Name:

Tu translation elongation factor, mitochondrial

Calculated MW:

50 kDa

Observed MW:

46-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

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,

Background Information

TUFM, also named as Elongation factor Tu, mitochondrial, is a 452 amino acid protein, which contains 1 tr-type G (guanine nucleotide-binding) domain and belongs to the TRAFAC class translation factor GTPase superfamily. TUFM localizes in the Mitochondrion and promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.

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:

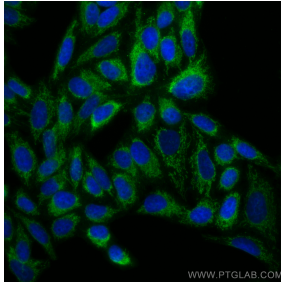
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

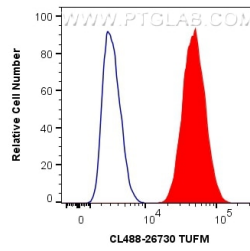
W: ptglab.com

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 (4% PFA) fixed HepG2 cells using CoraLite® Plus 488 TUFM antibody (CL488-26730) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human TUFM (CL488-26730) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).