For Research Use Only

CoraLite® Plus 488-conjugated Fibrillarin Monoclonal antibody

Catalog Number:CL488-66985

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL488-66985

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

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG8841

GenBank Accession Number:
BC019260

GeneID (NCBI):
2091

UNIPROT ID:
P22087

Full Name:
fibrillarin

Calculated MW:
321 aa, 34 kDa

Observed MW:
34 kDa

Purification Method:
Protein G purification

CloneNo.:
3A9E8

Recommended Dilutions:
IF/ICC: 1:50-1:500
FC (Intra): 0.80 ug per 10^6 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 : HeLa cells, HepG2 cells

FC (Intra) : HepG2 cells,

Background Information

Fibrillarin (Fbl) is an essential nucleolar protein that plays an essential role in ribosome biogenesis and more particularly in the methylation of ribosomal RNAs and rDNA histones. FBL is highly expressed in various cancers and correlates with poor survival outcomes in cancer patients,such as hepatocellular carcinoma(PMID: 33376525). Knockdown of FBL sensitizes tumor cells and xenografts to DNA crosslinking agents, and leads to homologous recombination-mediated DNA repair defects(PMID: 37489617).

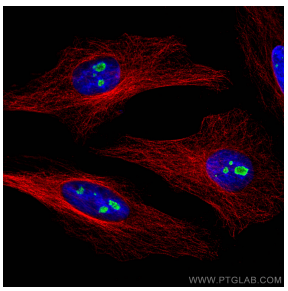
Storage

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

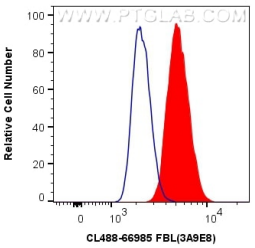
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 HeLa cells using CoraLite® Plus 488 Fibrillarin antibody (CL488-66985, Clone: 3A9E8) at dilution of 1:200, Alpha Tubulin antibody (11224-1-AP, red).



1X10^6 HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human Fibrillarin (CL488-66985, Clone:3A9E8) (red), or 0.8 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).