

CoraLite®594-conjugated FBL Monoclonal antibody

Catalog Number:CL594-66985

Basic Information

Catalog Number:

CL594-66985

Size:

1000 µg/ml

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

**Excitation/Emission maxima
wavelengths:**

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : 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:

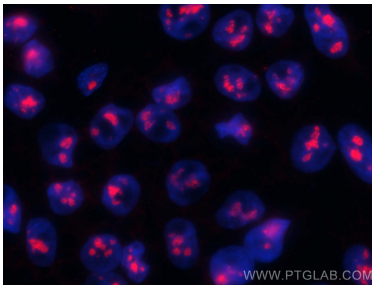
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

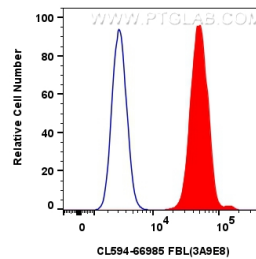
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite®594 FBL antibody (CL594-66985, Clone: 3A9E8) at dilution of 1:200.



1x10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite®594 Anti-Human FBL (CL594-66985, Clone:3A9E8)(red), or 0.8 ug CoraLite®594 Mouse IgG1 Isotype Control (MOPC-21) (CL594-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).