

CoraLite®594-conjugated IMP3 Monoclonal antibody

Catalog Number: **CL594-66247**

Basic Information

Catalog Number:

CL594-66247

Size:

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG23602

GenBank Accession Number:

BC020557

GeneID (NCBI):

55272

UNIPROT ID:

Q9NV31

Full Name:

IMP3, U3 small nucleolar
ribonucleoprotein, homolog (yeast)

Calculated MW:

184 aa, 22 kDa

Observed MW:

22 kDa

Purification Method:

Protein A purification

CloneNo.:

1E7D6

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

IMP3 is a member of the IGF-II mRNA binding protein (IMP) family that consist of IMP1, IMP2, and IMP3. IMP3 is an oncofetal protein associated with aggressive and advanced tumors and is specifically expressed in malignant tumors but not found in benign tissues [PMID:22497850]. IMP3 forms a ternary complex with IMP4 and MPP10 (MPHOSPH10) that interacts with U3 small nucleolar RNA (snoRNA), which is required for the early cleavage steps in pre-rRNA processing [PMID: 12655004]. CoraLite594-Conjugated IMP3 antibody can stain red. Ex: 593nm, Em: 614nm

Storage

Storage:

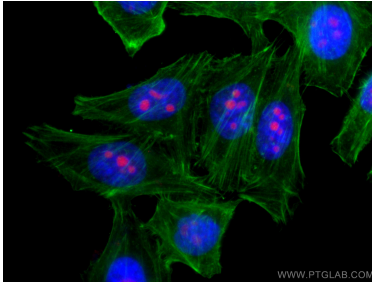
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

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-conjugated IMP3 antibody (CL594-66247, Clone: 1E7D6) at dilution of 1:200, CL488-Phalloidin (green).