

For Research Use Only

CoraLite® Plus 488-conjugated RRM2 Monoclonal antibody



Catalog Number: CL488-67006

Basic Information

Catalog Number:

CL488-67006

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG28664

GenBank Accession Number:

BC030154

GeneID (NCBI):

6241

UNIPROT ID:

P31350

Full Name:

ribonucleotide reductase M2
polypeptide

Calculated MW:

389 aa, 45 kDa

Observed MW:

45 kDa

Purification Method:

Protein G purification

CloneNo.:

2A9A7

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human

Positive Controls:

IF : HepG2 cells,

Background Information

Ribonucleotide reductase M2 subunit is one of two subunits that constitute ribonucleotide reductase, the enzyme that catalyzes the conversion of ribonucleotide 5'-diphosphates into 2'-deoxyribonucleotides, a rate-limiting step in the production of 2'-deoxyribonucleoside 5'-diphosphates (dNTP) required for DNA synthesis and repair that is required for DNA synthesis and repair [PMID:20825972, 19250552]. RRM2 is only expressed during the late G1/early S phase, and degraded in late S phase, and the activity of RNR, and therefore DNA synthesis and cell proliferation, is controlled during the cell cycle by the synthesis and degradation of RRM2 subunit [PMID:3894352].

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:

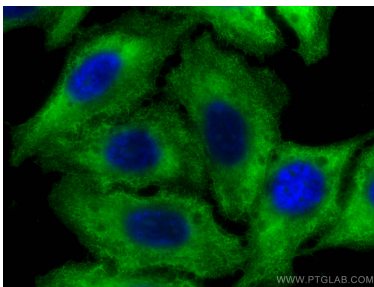
T: 4006900926

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 RRM2 antibody (CL488-67006, Clone: 2A9A7) at dilution of 1:200.