

For Research Use Only

CoraLite® Plus 594-conjugated RRM2 Monoclonal antibody



Catalog Number:CL594-67006

Basic Information

Catalog Number: CL594-67006	GenBank Accession Number: BC030154	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6241	CloneNo.: 2A9A7
Source: Mouse	Full Name: ribonucleotide reductase M2 polypeptide	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG1	Calculated MW: 389 aa, 45 kDa	Excitation/Emission maxima wavelengths: 594 nm / 615 nm
Immunogen Catalog Number: AG28664	Observed MW: 45 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells,
Species Specificity: Human	

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

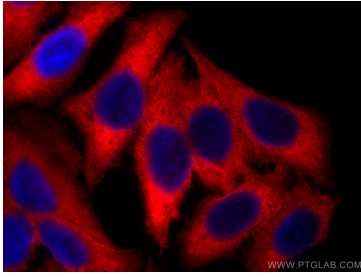
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

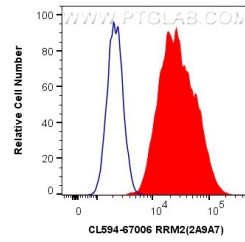
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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 (-20°C Ethanol) fixed HepG2 cells using CoraLite® Plus 594 RRM2 antibody (CL594-67006, Clone: 2A9A7) at dilution of 1:200.



1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 594 Anti-Human RRM2 (CL594-67006, Clone:2A9A7) (red), or 0.8 ug CoraLite® 594 Mouse IgG1 Isotype Control (MOPC-21) (CL594-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).