

For Research Use Only

RRM2 Monoclonal antibody

Catalog Number: 67006-1-Ig **1 Publications**



Basic Information

Catalog Number:

67006-1-Ig

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:

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB : HeLa cells, HEK-293 cells, MCF-7 cells, A431 cells, Jurkat cells, K-562 cells, THP-1 cells

IP : HEK-293 cells,

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].

Notable Publications

Author	Pubmed ID	Journal	Application
S M Du	32122142	Neoplasma	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

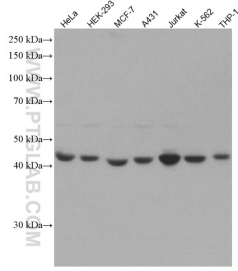
T: 4006900926

E: Proteintech-CN@ptglab.com

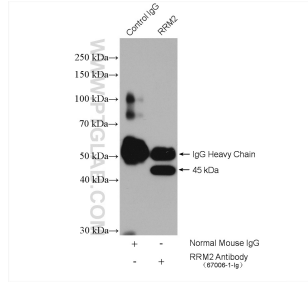
W: ptgcn.com

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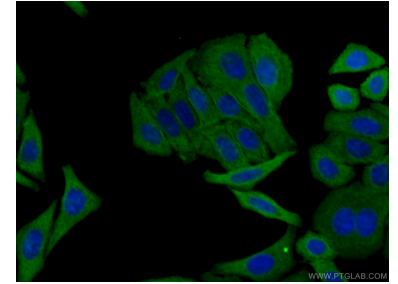
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67006-1-Ig (RRM2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



IP result of anti-RRM2 (IP:67006-1-Ig, 5ug; Detection:67006-1-Ig 1:2000) with HEK-293 cells lysate 2320 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 67006-1-Ig (RRM2 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).