

For Research Use Only

# RRM2 Monoclonal antibody

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



## Basic Information

<b>Catalog Number:</b> 67006-1-Ig	<b>GenBank Accession Number:</b> BC030154	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6241	<b>CloneNo.:</b> 2A9A7
<b>Source:</b> Mouse	<b>Full Name:</b> ribonucleotide reductase M2 polypeptide	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:1000-1:4000 for WB
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 389 aa, 45 kDa	<b>IF 1:50-1:500</b>
<b>Immunogen Catalog Number:</b> AG28664	<b>Observed MW:</b> 45 kDa	

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HeLa cells, HEK-293 cells, MCF-7 cells, A431 cells, Jurkat cells, K-562 cells, THP-1 cells
<b>Species Specificity:</b> Human	<b>IP :</b> HEK-293 cells,
<b>Cited Species:</b> human	<b>IF :</b> 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

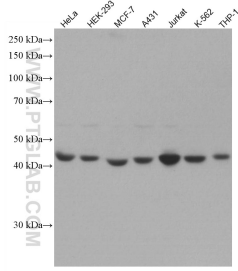
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

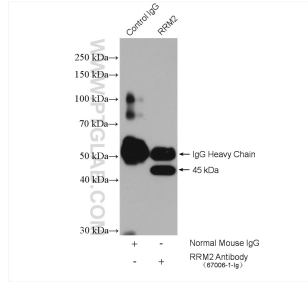
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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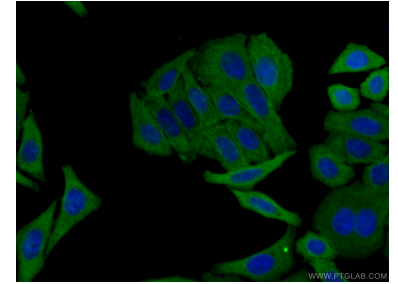
## Selected Validation Data



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).