

For Research Use Only

RRM2 Monoclonal antibody, PBS Only



Catalog Number: 67006-1-PBS

Basic Information

Catalog Number: 67006-1-PBS	GenBank Accession Number: BC030154	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 6241	CloneNo.: 2A9A7
Source: Mouse	UNIPROT ID: P31350	
Isotype: IgG1	Full Name: ribonucleotide reductase M2 polypeptide	
Immunogen Catalog Number: AG28664	Calculated MW: 389 aa, 45 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, IP, IF, ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

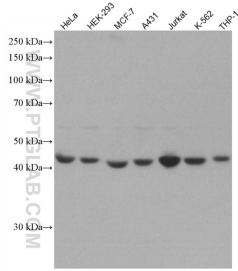
T: 4006900926

E: Proteintech-CN@ptglab.com

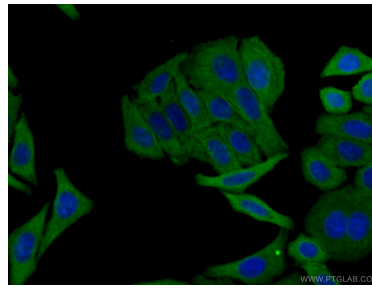
W: ptgcn.com

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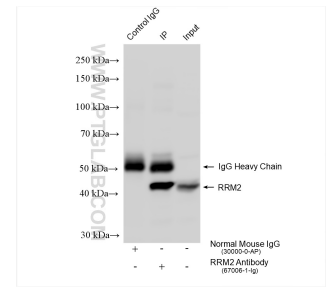
Selected Validation Data



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. This data was developed using the same antibody clone with 67006-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67006-1-PBS in a different storage buffer formulation.



IP result of anti-RRM2 (IP:67006-1-Ig, 4ug; Detection:67006-1-Ig 1:2000) with HEK-293 cells lysate 1470 ug. This data was developed using the same antibody clone with 67006-1-PBS in a different storage buffer formulation.