For Research Use Only

RRM2 Monoclonal antibody, PBS Only

Catalog Number:67006-1-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
67006-1-PBS

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

Applications

Tested Applications:
WB, IHC, IF/ICC, IP, 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].

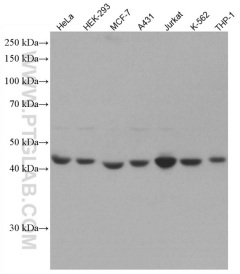
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

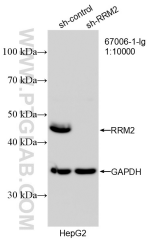
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

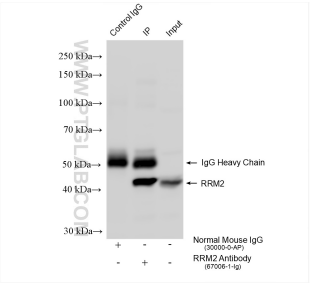
Selected Validation Data



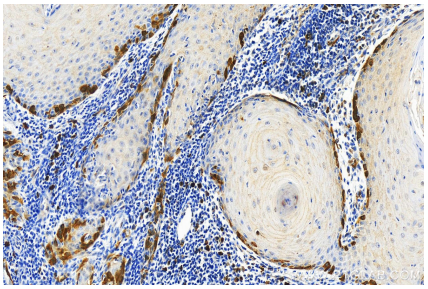
Various lysates were subjected to SDS PAGE followed by western blot with 67006-1-Ig (RRM2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67006-1-PBS in a different storage buffer formulation.



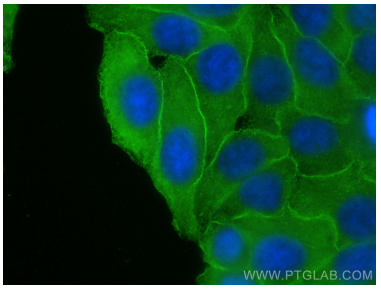
WB result of RRM2 antibody (67006-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-RRM2 transfected HepG2 cells. This data was developed using the same antibody clone with 67006-1-PBS in a different storage buffer formulation.



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.



Immunohistochemical analysis of paraffin-embedded skin cancer slide using 67006-1-Ig (RRM2 antibody) at dilution of 1:4000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). 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 RRM2 antibody (67006-1-Ig, Clone: 2A9A7) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 67006-1-PBS in a different storage buffer formulation.