For Research Use Only

RRM1 Polyclonal antibody

Catalog Number:10526-1-AP

Featured Product

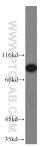
49 Publications



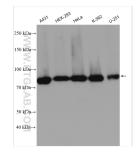
| Basic Information | Catalog Number: 10526-1-AP | GenBank Accession Num BC006498 | ber: Purification Method: Antigen affinity purification |
|------------------------|--|--|---|
| | Size: | GenelD (NCBI): | Recommended Dilutions: |
| | 150ul , Concentration: 400 µg/ml by | 6240 | WB 1:2000-1:16000 |
| | Nanodrop and 220 µg/ml by Bradford | UNIPROT ID: | IP 0.5-4.0 ug for 1.0-3.0 mg of total |
| | method using BSA as the standard; | P23921 | protein lysate IHC 1:100-1:600 |
| | Source: Rabbit | Full Name: | IF 1:50-1:500 |
| | | ribonucleotide reductase | M1 |
| | Isotype: IgG | Calculated MW: 90 kDa | |
| | Immunogen Catalog Number: AG0789 | Observed MW: 90 kDa | |
| Applications | Tested Applications: | Р | ositive Controls: |
| | WB, IP, IF, FC, IHC, ELISA | WB : A431 cells, HeLa cells, A549 cells, K-562 cells, | |
| | Cited Applications: | В | xPC-3 cells, HEK-293 cells, U-251 cells |
| | WB, IP, IF, IHC | IF | 2 : K-562 cells, |
| | Species Specificity: human, mouse, rat, monkey | | HC : human breast cancer tissue, human lung cancer ssue |
| | Cited Species: human, mouse, Xenopus | IF | : HepG2 cells, MCF-7 cells |
| | huffer nU C O | | |
| Background Information | buffer pH 6.0 Ribonucleoside-diphosphate reducta: deoxyribonucleotide synthesis. RRM1 | | ner of a large and a small subunits in Jbunit (R1) of ribonucleotide reductase, and it can |
| Background Information | Ribonucleoside-diphosphate reducta: deoxyribonucleotide synthesis. RRM1 either form heterodimer with small s for DNA synthesis. RRM1 can not be do the cell cycle in cycling cells(PMID:82 | constitutes to the large subunit RRM or RRM2B(PMI) etected in quiescent cells, 188248). Researches show n-small-cell lung cancer (N | ubunit (R1) of ribonucleotide reductase, and it can D:16376858). RRM1 provides the precursors necessa while its mRNA and protein are present throughout ed that RRM1 is involved in carcinogenesis, tumor |
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| Background Information | Ribonucleoside-diphosphate reducta: deoxyribonucleotide synthesis. RRM1 either form heterodimer with small s for DNA synthesis. RRM1 can not be de the cell cycle in cycling cells(PMID:81 progression, and the resistance of nor NSCLC is associated with poor surviv. Author Pub Yukio Watanabe 252 | constitutes to the large subunit RRM or RRM2B(PMI) etected in quiescent cells, L88248). Researches show n-small-cell lung cancer (N al(PMID:17314339). med ID Journal | ubunit (R1) of ribonucleotide reductase, and it can D:16376858). RRM1 provides the precursors necessa while its mRNA and protein are present throughout ed that RRM1 is involved in carcinogenesis, tumor ISCLC) to treatment. Low level expression of RRM1 Application IHC |
| | Ribonucleoside-diphosphate reducta: deoxyribonucleotide synthesis. RRM1 either form heterodimer with small s for DNA synthesis. RRM1 can not be de the cell cycle in cycling cells(PMID:8: progression, and the resistance of nor NSCLC is associated with poor survive Author Pub Yukio Watanabe 252 Martin Kerr 252 | constitutes to the large si ubunit RRM or RRM2B(PMI etected in quiescent cells, 188248). Researches show n-small-cell lung cancer (N al(PMID:17314339). med ID Journal 57380 Histopath | ubunit (R1) of ribonucleotide reductase, and it can D:16376858). RRM1 provides the precursors necessa while its mRNA and protein are present throughout ed that RRM1 is involved in carcinogenesis, tumor ISCLC) to treatment. Low level expression of RRM1 hology IHC ter Res WB |
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) W: ptglab.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

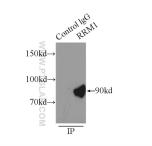
Selected Validation Data



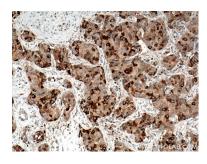
HeLa cells were subjected to SDS PAGE followed by western blot with 10526-1-AP (RRM1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



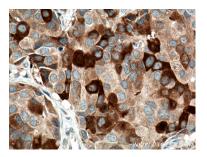
A431 cells were subjected to SDS PAGE followed by western blot with 10526-1-AP (RRM1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



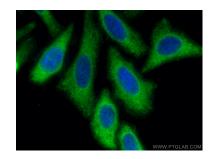
IP result of anti-RRM1 (IP:10526-1-AP, 5ug; Detection:10526-1-AP 1:800) with K-562 cells lysate 8000ug.



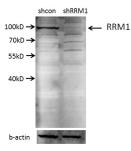
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 10526-1-AP (RRM1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



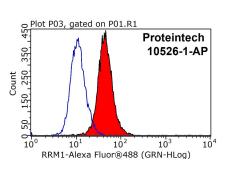
Immunohistochemical analysis of paraffinembedded human breast cancer tissue slide using 10526-1-AP (RRM1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using RRM1 antibody (10526-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



A549 cells (shcontrol and shRNA of RRM1) were subjected to SDS PAGE followed by western blot with 10526-1-AP (RRM1 antibody) at dilution of 1:2000.



1X10^6 HeLa cells were stained with .2ug RRM1 antibody (10526-1-AP, red) and control antibody (blue). Cells were fixed with 4% PFA and permeabilized with 0.1% Triton X-100. Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit lgG(H+L) with dilution 1:1000.