

For Research Use Only

# RRM1 Polyclonal antibody

Catalog Number: 19686-1-AP



## Basic Information

**Catalog Number:**

19686-1-AP

**Size:**

150ul , Concentration: 260 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001033

**GeneID (NCBI):**

6240

**UNIPROT ID:**

P23921

**Full Name:**

ribonucleotide reductase M1

**Calculated MW:**

90 kDa

**Observed MW:**

90 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:200-1:1000

IF/ICC 1:10-1:100

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : A549 cells, HEK-293 cells, HeLa cells

IF/ICC : HepG2 cells,

## Background Information

RRM1, also named as RR1, belongs to the ribonucleoside diphosphate reductase large chain family. RRM1 provides the precursors necessary for DNA synthesis. RRM1 catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. RRM1 is a key enzyme in DNA synthesis: low level expression of RRM1 is associated with poor survival. RRM1 is a prognostic marker of NSCLC. The antibody is specific to RRM1.

## 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

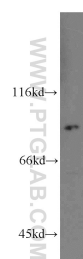
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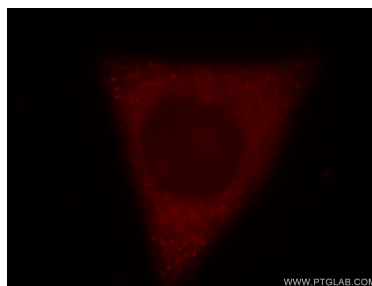
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## Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 19686-1-AP (RRM1 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using RRM1 antibody 19686-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).