

# RRM2 Rabbit pAb

Catalog No.: A5255 **4 Publications**

## Basic Information

### Observed MW

45kDa

### Calculated MW

45kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC, IP

### Cross-Reactivity

Human, Mouse, Rat

## Background

This gene encodes one of two non-identical subunits for ribonucleotide reductase. This reductase catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated in a cell-cycle dependent fashion. Transcription from this gene can initiate from alternative promoters, which results in two isoforms that differ in the lengths of their N-termini. Related pseudogenes have been identified on chromosomes 1 and X.

## Recommended Dilutions

|               |  |
|---------------|--|
| <b>WB</b>     | 1:500 - 1:1000   |
| <b>IHC-P</b>  | 1:50 - 1:200   |
| <b>IF/ICC</b> | 1:50 - 1:200   |
| <b>IP</b>     | 0.5µg-4µg antibody for<br>200µg-400µg extracts of<br>whole cells |

## Immunogen Information

### Gene ID

6241

### Swiss Prot

P31350

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-389 of human RRM2 (NP\_001025.1).

### Synonyms

R2; RR2; RR2M; C2orf48; RRM2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

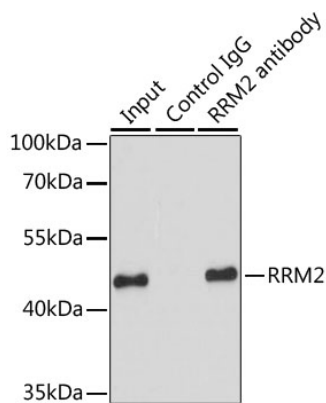
Affinity purification

### Storage

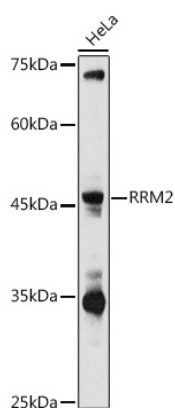
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

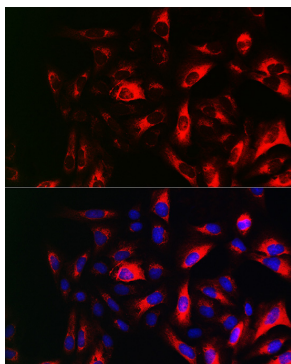
## Validation Data



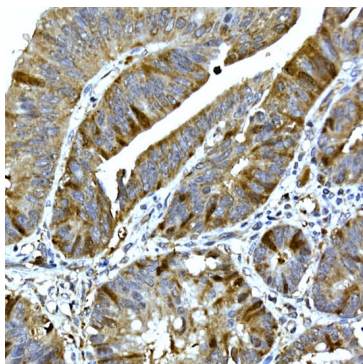
Immunoprecipitation analysis of 200  $\mu$ g extracts of HeLa cells using 1  $\mu$ g RRM2 antibody (A5255). Western blot was performed from the immunoprecipitate using RRM2 antibody (A5255) at a dilution of 1:1000.



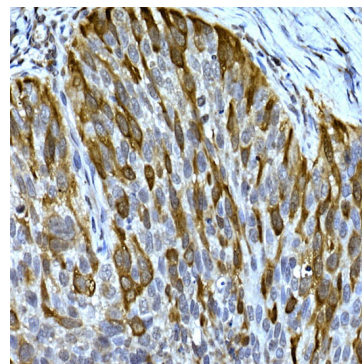
Western blot analysis of lysates from HeLa cells, using RRM2 Rabbit pAb (A5255) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution. Lysates/proteins: 25 $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



Immunofluorescence analysis of U2OS cells using RRM2 Rabbit pAb (A5255) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (A5007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using RRM2 Rabbit pAb (A5255) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using RRM2 Rabbit pAb (A5255) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.