

## ARG59083 anti-RRM2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes RRM2
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, IP, WB
Specificity	This antibody might cross-react to RRM2B protein based on sequence analysis.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RRM2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-389 of Human RRM2 (NP_001025.1).
Conjugation	Un-conjugated
Alternate Names	R2; EC 1.17.4.1; Ribonucleoside-diphosphate reductase subunit M2; Ribonucleotide reductase small chain; Ribonucleotide reductase small subunit; RR2M; RR2

### Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse thymus	
Observed Size	45kDa	

### Properties

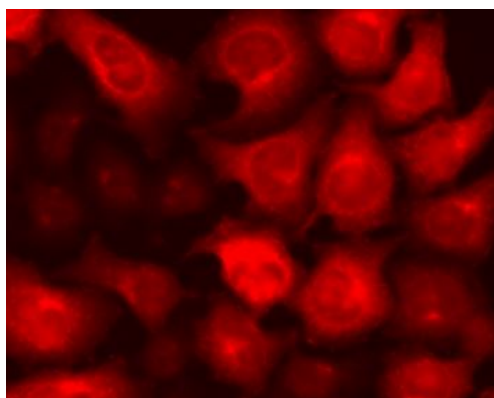
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

<b>Storage instruction</b>	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
<b>Note</b>	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

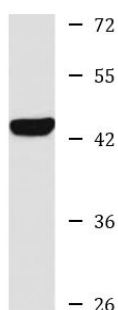
<b>Gene Symbol</b>	RRM2
<b>Gene Full Name</b>	ribonucleotide reductase M2
<b>Background</b>	This gene encodes one of two non-identical subunits for ribonucleotide reductase. This reductase catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated 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. [provided by RefSeq, Sep 2009]
<b>Function</b>	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. Inhibits Wnt signaling. [UniProt]
<b>Calculated Mw</b>	45 kDa
<b>PTM</b>	Phosphorylation on Ser-20 relieves the inhibitory effect on Wnt signaling. [UniProt]
<b>Cellular Localization</b>	Cytoplasm. [UniProt]

## Images



ARG59083 anti-RRM2 antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG59083 anti-RRM2 antibody.



Mouse thymus

ARG59083 anti-RRM2 antibody WB image

Western blot: 25 µg of Mouse thymus lysate stained with ARG59083 anti-RRM2 antibody at 1:1000 dilution.

### ARG59083 anti-RRM2 antibody IP image

Immunoprecipitation: 200 µg extracts of HeLa cells were immunoprecipitated and stained with ARG59083 anti-RRM2 antibody at 1:1000 dilution.

