

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

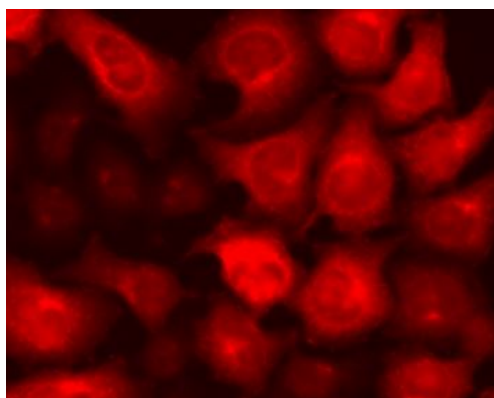
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol

Storage instruction	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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

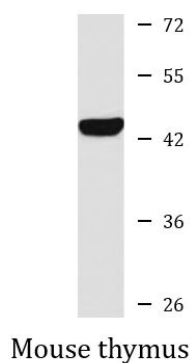
Gene Symbol	RRM2
Gene Full Name	ribonucleotide reductase M2
Background	This gene encodes one of two non-identical subunits for ribonucleotide reductase. This reductase catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated in a cell-cycle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

Images



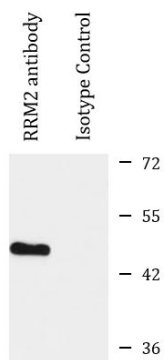
ARG59083 anti-RRM2 antibody ICC/IF image

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



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.