

ARG59132 anti-RRM2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RRM2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RRM2
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 1-33 of Human RRM2. (MLSLRVPLAPITDPQQLQLSPLKGLSLVDKENT)
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
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

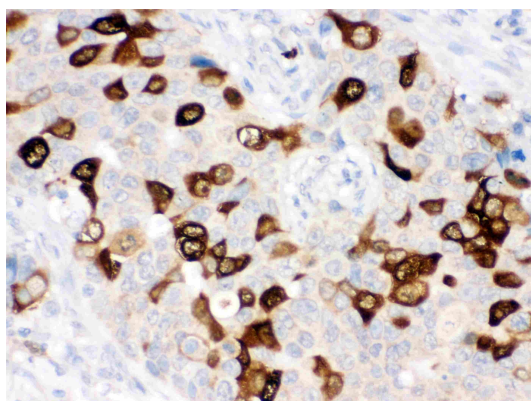
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
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 or below. 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.

Bioinformation

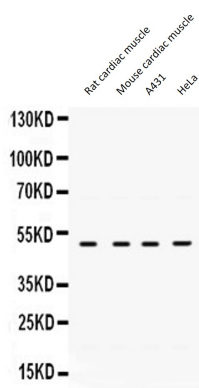
Gene Symbol	RRM2
Gene Full Name	ribonucleotide reductase M2
Background	This gene encodes one of two non-identical subunits for ribonucleotide reductase. This reductase catalyzes the formation of deoxyribonucleotides from ribonucleotides. Synthesis of the encoded protein (M2) is regulated in a cell-cycle 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



ARG59132 anti-RRM2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer stained with ARG59132 anti-RRM2 antibody.



ARG59132 anti-RRM2 antibody WB image

Western blot: 50 µg of Rat cardiac muscle, 50 µg of Mouse cardiac muscle, 40 µg of A431 and 40 µg of HeLa lysates stained with ARG59132 anti-RRM2 antibody at 0.5 µg/ml dilution.