RRM2 Antibody

PRODUCT OVERVIEW

Product Name	RRM2, Antibody
Full Product Name	RRM2 Antibody
Product Gene Name	anti-RRM2 antibody
Molecular Weight	51,093 Da
OMIM	180390
3D Structure	ModBase 3D Structure for P31350
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-RRM2 antibody	MBS8505182 is an antibody targeting RRM2. Also known as RRM2 Antibody.
Other Notes	Small volumes of anti-RRM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RRM2. It may not necessarily be applicable to this product.

NCBI GI #	4557845
NCBI GeneID	6241
NCBI Accession #	NP_001025.1
UniProt Primary Accession #	P31350
UniProt Secondary Accession #	Q5WRU7; B2R9B5; J3KP43
UniProt Related Accession #	P31350
GenBank Nucleotide #	NM_001034.3
NCBI Official Full Name	ribonucleoside-diphosphate reductase subunit M2 isoform 2
NCBI Official Synonym Full Names	ribonucleotide reductase regulatory subunit M2
NCBI Official Symbol	RRM2
NCBI Official Synonym Symbols	R2; RR2; RR2M
UniProt Protein Name	Ribonucleoside-diphosphate reductase subunit M2
UniProt Synonym Protein Names	Ribonucleotide reductase small chain; Ribonucleotide reductase small subunit
Protein Family	Ribonucleoside-diphosphate reductase
UniProt Gene Name	RRM2
UniProt Synonym Gene Names	RR2
NCBI Protein Information	ribonucleoside-diphosphate reductase subunit M2

NCBI Summary for RRM2	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]
UniProt Comments for RRM2	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. Inhibits Wnt signaling.
Research Articles on RRM2	**1.** TP53 mutant cancer cells had elevation of ribonucleotide reductase subunit 1 (RRM1) and 2 (RRM2), which was reduced by inhibition of mTORC1.
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