

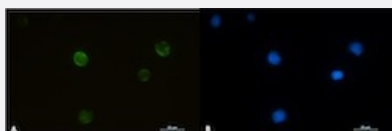
RecomAb™

RRM2 recombinant monoclonal antibody, clone R09-4G8

Catalog # RAB01936 Size 100 uL

Applications

Immunocytochemistry



Immunocytochemical staining of Jurkat with RRM2 recombinant monoclonal antibody, clone R09-4G8 (Cat # RAB01936). (A) RRM2 (green) and (B) DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human RRM2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human RRM2.
Theoretical MW (kDa)	Calculated MW: 45 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunocytochemistry Immunofluorescence (1:50-1:200) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.

Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

Immunocytochemical staining of Jurkat with RRM2 recombinant monoclonal antibody, clone R09-4G8 (Cat # RAB01936). (A) RRM2 (green) and (B) DAPI (blue).

Gene Info — RRM2

Entrez GeneID	6241
Protein Accession#	P31350
Gene Name	RRM2
Gene Alias	R2, RR2M
Gene Description	ribonucleotide reductase M2 polypeptide
Omim ID	180390
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	ribonucleotide reductase M2 subunit

Pathway

- [Glutathione metabolism](#)
- [Metabolic pathways](#)
- [p53 signaling pathway](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Abortion](#)
- [Adenocarcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Pancreatic Neoplasms](#)