

Rabbit RRM2 Polyclonal Antibody | anti-RRM2 antibody

RRM2 Antibody

CATALOG # AAA170443	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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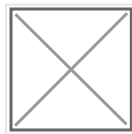
PRODUCT SYNONYMS

RRM2; Polyclonal Antibody; RRM2 Antibody; R2; RR2M; anti-RRM2 antibody

PRODUCT SPECIFICATIONS

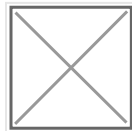
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	449
Applicable Applications for anti-RRM2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human RRM2
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-10848 / sc-10846 / sc-10844 / sc-21877 / sc-10843 / sc-22785
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



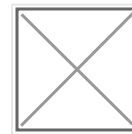
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using RRM2 antibody. Blue: DAPI for nuclear staining



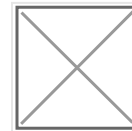
IHC (Immunohistochemistry)

Immunohistochemical of paraffin-embedded human breast cancer using RRM2 antibody at dilution of 1:200 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemical of paraffin-embedded human kidney using RRM2 antibody at dilution of 1:200 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RRM2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RRM2 antibody	Ribonucleotide reductase M2 subunit is one of two subunits that constitute ribonucleotide reductase, the enzyme that catalyzes the conversion of ribonucleotide 5'-diphosphates into 2'-deoxyribonucleotides, a rate-limiting step in the production of 2'-deoxyribonucleoside 5'-diphosphates (dNTP) required for DNA synthesis and repair that is required for DNA synthesis and repair [PMID:20825972, 19250552]. RRM2 is only expressed during the late G1/early S phase, and degraded in late S phase, and the activity of RNR, and therefore DNA synthesis and cell proliferation, is controlled during the cell cycle by the synthesis and degradation of RRM2 subunit.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260064013
NCBI GeneID	6241
NCBI Accession #	NP_001159403.1
NCBI GenBank Nucleotide #	NM_001165931.1
Molecular Weight	51,093 Da
NCBI Official Full Name	ribonucleoside-diphosphate reductase subunit M2 isoform 1
NCBI Official Synonym Full Names	ribonucleotide reductase M2
NCBI Official Symbol	RRM2
NCBI Official Synonym Symbols	R2; RR2; RR2M
NCBI Protein Information	ribonucleoside-diphosphate reductase subunit M2; ribonucleotide reductase M2 polypeptide; ribonucleotide reductase small chain; ribonucleotide reductase small subunit
UniProt Protein Name	Ribonucleoside-diphosphate reductase subunit M2
UniProt Gene Name	RRM2
UniProt Synonym Gene Names	RR2
UniProt Entry Name	RIR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rrm2-antibody-immunohistochemistry-western-blot-elisa/170443>