

Rabbit RRM2 Polyclonal Antibody | anti-RRM2 antibody

RRM2 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280115	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

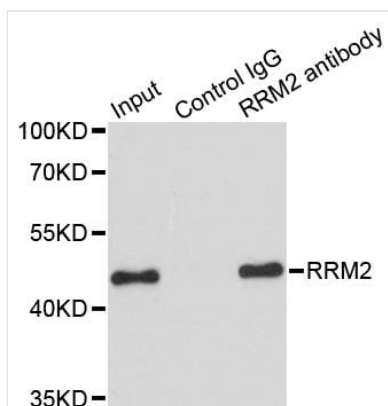
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

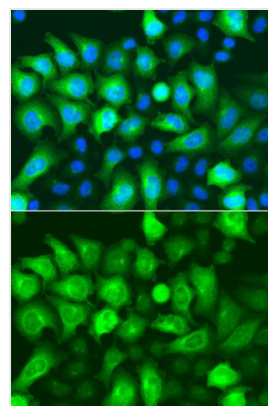
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	389
Applicable Applications for anti-RRM2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human RRM2
Calculated Molecular Weight	45kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



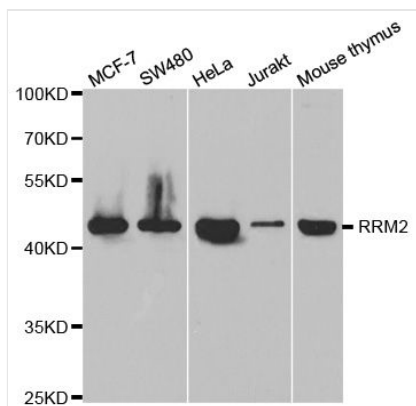
IP (Immunoprecipitation)

Immunoprecipitation analysis of 200ug extracts of HeLa cells using 1ug RRM2 antibody. Western blot was performed from the immunoprecipitate using RRM2 antibody at a dilution of 1:1000.



IF (Immunofluorescence)

Immunofluorescence analysis of A549 cells using RRM2 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using RRM2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

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.
Product Categories/Family for anti-RRM2 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	400979
NCBI GeneID	6241
UniProt Accession #	P31350; Q5WRU7; B2R9B5; J3KP43
Molecular Weight	389
NCBI Official Full Name	Ribonucleoside-diphosphate reductase subunit M2
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 small chain; ribonucleotide reductase small subunit; ribonucleotide reductase M2 polypeptide
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-immunofluorescence-immunohistochemistry-western-blot-elisa/280115>