

Rabbit RRM2 Polyclonal Antibody | anti-RRM2 antibody

RRM2 Antibody

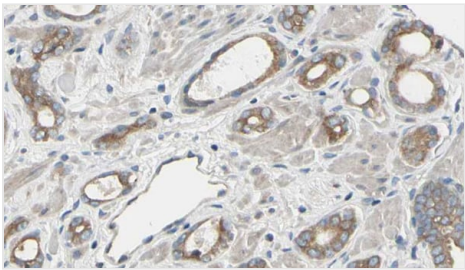
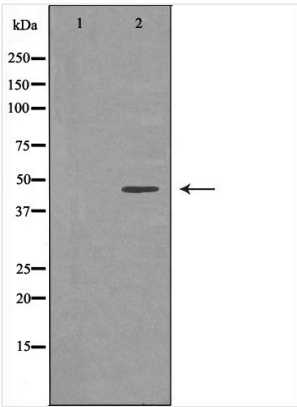
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326954	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

RRM2; Polyclonal Antibody; RRM2 Antibody; cb111; chunp6884; etID309896.20; R2; reductase M2 polypeptide variant 1; reductase M2 polypeptide variant 2; reductase M2 polypeptide variant 3a; reductase M2 polypeptide variant 3b; reductase M2 polypeptide variant 3c; reductase M2 polypeptide variant 3d; Ribonucleoside-diphosphate reductase subunit M2; Ribonucleotide reductase M2; Ribonucleotide reductase M2 polypeptide; Ribonucleotide reductase M2 subunit; ribonucleotide reductase protein r2 class I; Ribonucleotide reductase regulatory subunit M2; Ribonucleotide reductase small chain; Ribonucleotide reductase small subunit; Ribonucleotide reductase; R2 subunit; RIR2_HUMAN; RR2; RR2M; anti-RRM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RRM2 antibody detects endogenous levels of total RRM2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	389
Applicable Applications for anti-RRM2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RRM2
Subcellular Location	Cytoplasm.
Predicted Cross Reactivity	Bovine, Horse, Chicken
Similarity	Bovine (100%), Horse (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326954 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using RRM2 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-RRM2 antibody	Description: 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. Function: Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. Inhibits Wnt signaling. Subunit Structure: Heterodimer of a large and a small subunit. Post-translational Modifications: Phosphorylation on Ser-20 relieves the inhibitory effect on Wnt signaling. Similarity: Belongs to the ribonucleoside diphosphate reductase small chain family.
References	Xia G, Wang H, Song Z, Meng Q, Huang X, Huang X; Journal: J Exp Clin Cancer Res. Gambogic acid sensitizes gemcitabine efficacy in pancreatic cancer by reducing the expression of ribonucleotide reductase subunit-M2 (RRM2).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557845
NCBI GeneID	6241
NCBI Accession #	NP_001025.1
NCBI GenBank Nucleotide #	NM_001034.3
UniProt Accession #	P31350; Q5WRU7; B2R9B5; J3KP43
Molecular Weight	Observed: 45 kDa Predicted: 45 kDa
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
NCBI Protein Information	ribonucleoside-diphosphate reductase subunit M2
UniProt Protein Name	Ribonucleoside-diphosphate reductase subunit M2
UniProt Gene Name	RRM2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/rrm2-antibody-immunohistochemistry-western-blot-elisa/326954>