



[Go to Product page](#)

Datasheet for ABIN3043425
anti-RRM2 antibody (N-Term)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	RRM2
Binding Specificity:	AA 1-33, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RRM2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Ribonucleoside-diphosphate reductase subunit M2(RRM2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human RRM2 (1-33aa MLSLRVPLAPITDPQQLSPLKGLSLVDKENT), different from the related mouse and rat sequences by eight amino acids.
Sequence:	MLSLRVPLAP ITDPQQLQS PLKGLSLVDK ENT
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Ribonucleoside-diphosphate reductase subunit M2(RRM2) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: ribonucleotide reductase M2

Product Details

Protein Name: Ribonucleoside-diphosphate reductase subunit M2

Purification: Immunogen affinity purified.

Target Details

Target: RRM2

Alternative Name: RRM2 ([RRM2 Products](#))

Background: Ribonucleoside-diphosphate reductase subunit M2, also known as ribonucleotide reductase small subunit, is an enzyme that in humans is encoded by the RRM2 gene. It is mapped to 2p25-p24. 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 which differ in the lengths of their N-termini. Related pseudogenes have been identified on chromosomes 1 and X.

Synonyms: R2 antibody|Ribonucleoside-diphosphate reductase subunit M2 antibody|Ribonucleotide reductase M2 antibody|Ribonucleotide reductase M2 polypeptide antibody|Ribonucleotide reductase M2 subunit antibody|Ribonucleotide reductase small chain antibody|Ribonucleotide reductase small subunit antibody|RR2_HUMAN antibody|RR2 antibody|RR2M antibody|RRM2 antibody

Gene ID: 6241

UniProt: [P31350](#)

Pathways: [Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

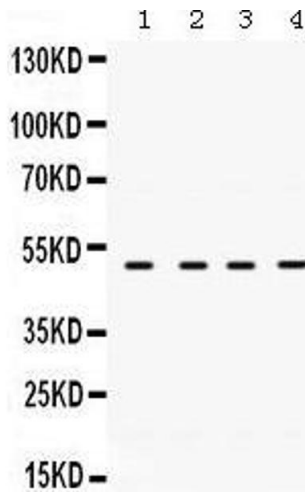
Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

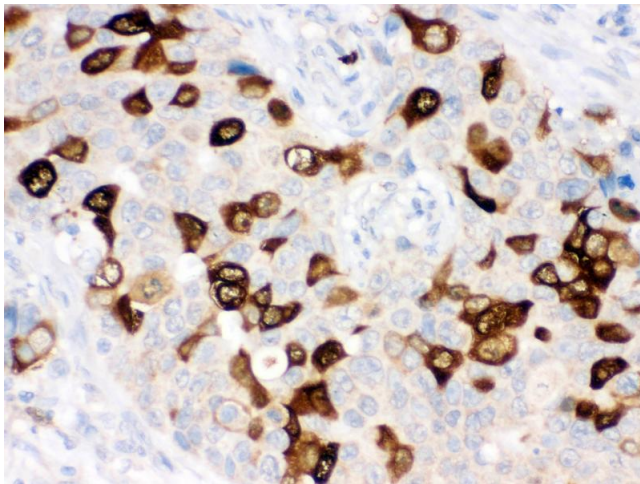
Publications

Product cited in: Ding, Zhang, Liu, Zhang, Ma, Bruce, Zhang: "Tumor necrosis factor- α promotes the expression of excitatory amino-acid transporter 2 in astrocytes: Optimal concentration and incubation time." in: **Experimental and therapeutic medicine**, Vol. 8, Issue 6, pp. 1909-1913, (2014) ([PubMed](#)).



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti- RRM2 Picoband antibody, IHC(P) IHC(P):
Human Mammary Cancer Tissue