

Datasheet for ABIN3042928
anti-RRM2B antibody (C-Term)



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1 Image

Overview

Quantity:	100 µg
Target:	RRM2B
Binding Specificity:	AA 318-332, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RRM2B antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Ribonucleoside-diphosphate reductase subunit M2 B(RRM2B) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human p53R2(318-332aa EGKTNFFEKR VSEYQ), identical to the related rat and mouse sequences.
Sequence:	EGKTNFFEKR VSEYQ
Isotype:	IgG
Cross-Reactivity (Details):	<p>Predicted Cross Reactivity: mouse</p> <p>No cross reactivity with other proteins.</p> <p>Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.</p>
Characteristics:	Rabbit IgG polyclonal antibody for Ribonucleoside-diphosphate reductase subunit M2

Product Details

	B(RRM2B) detection. Tested with WB in Human,Mouse,Rat. Gene Name: ribonucleotide reductase M2 B(TP53 inducible) Protein Name: Ribonucleoside-diphosphate reductase subunit M2 B
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Purification: Immunogen affinity purified.

Target Details

Target:	RRM2B
Alternative Name:	RRM2B (RRM2B Products)

Background: RRM2B(Ribonucleotide Reductase, M2 B), also known as P53R2, is an enzyme that in humans is encoded by the RRM2B gene. Tanaka et al.(2000) mapped the p53R2 gene to chromosome 8q23.1 by fluorescence in situ hybridization. Tanaka et al.(2000) found that expression of p53R2, but not R2, was induced by ultraviolet and gamma-irradiation and adriamycin treatment in a wildtype p53-dependent manner. Induction of p53R2 in p53-deficient cells caused G2/M arrest and protected cells from death in response to adriamycin. Inhibition of endogenous p53R2 expression in cells that had an intact p53-dependent DNA damage checkpoint reduced ribonucleotide reductase activity, DNA repair, and cell survival after exposure to various genotoxins.

Synonyms: DKFZp686M05248 antibody|MGC102856 antibody|MGC42116 antibody|MTDPS8A antibody|MTDPS8B antibody|p53 inducible ribonucleotide reductase small subunit 2 homolog antibody|p53 inducible ribonucleotide reductase small subunit 2 like protein antibody|p53 R2 antibody|p53-inducible ribonucleotide reductase small subunit 2-like protein antibody|p53R2 antibody|Ribonucleoside diphosphate reductase M2 subunit B antibody|Ribonucleoside-diphosphate reductase subunit M2 B antibody|Ribonucleotide reductase M2 B(TP53 inducible) antibody|Ribonucleotide reductase M2 B antibody|Ribonucleotide reductase small subunit like 2 p53 inducible antibody|RIR2B_HUMAN antibody|RRM 2B antibody|RRM2B antibody|TP53 inducible ribonucleotide reductase M2 B antibody|TP53-inducible ribonucleotide reductase M2 B antibody

Pathways: [p53 Signaling](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be

Application Details

fit for the product based on sequence similarities.

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.

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 Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

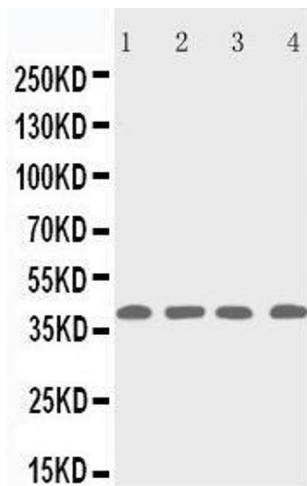
Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

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.

Expiry Date: 12 months



Western Blotting

Image 1. Anti-p53R2 antibody, Western blotting Lane 1: Rat Thymus Tissue Lysate Lane 2: MCF-7 Cell Lysate Lane 3: A431 Cell Lysate Lane 4: HELA Cell Lysate