

Datasheet for ABIN3032475
anti-RRM2B antibody (C-Term)[Go to Product page](#)

2 Images

Overview

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

Product Details

Immunogen:	An amino acid sequence from the C-terminus of human p53 reductase small subunit 2 (EGKTNFFEKRVSSEYQ) was used as the immunogen for this p53R2 antibody (100% homologous in human, mouse and rat).
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	RRM2B
Alternative Name:	p53R2 (RRM2B Products)
Background:	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 gene to chromosome 8q23.1 by

Target Details

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.

UniProt: [Q7LG56](#)

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

Application Details

Application Notes: The stated application concentrations are suggested starting amounts. Titration of the p53R2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\.
Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

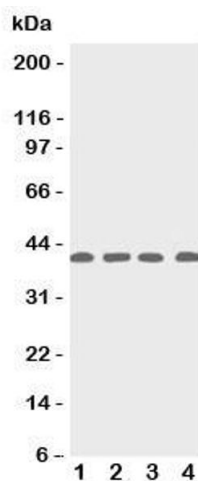
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

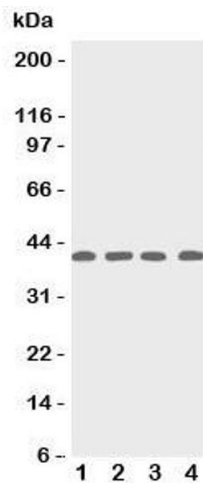
Storage Comment: After reconstitution, the p53R2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of p53R2 antibody



Western Blotting

Image 2. Western blot testing of p53R2 antibody; Lane 1: rat thymus; 2: human MCF-7; 3: (h) A431; 4: (h) HeLa cell lysate. Expected/observed size ~40KD