BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-p53R2/RRM2B Antibody Picoband®

Catalog Number: PA2053

About RRM2B

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.

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Overview

Product Name	Anti-p53R2/RRM2B Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-p53R2/RRM2B Antibody catalog # PA2053. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q7LG56

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antibody and ELISA experts

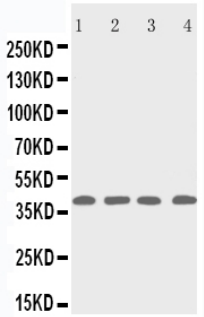
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Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human p53R2, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

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Anti-p53R2/RRM2B Antibody Picoband® (PA2053) Images



Anti-p53R2 antibody, PA2053, Western blottingLane 1: Rat Thymus Tissue LysateLane 2: MCF-7 Cell LysateLane 3: A431 Cell LysateLane 4: HELA Cell Lysate

Anti-p53R2/RRM2B Antibody

For Research Use Only. Not for use in diagnostic procedures.