

Anti-p53R2/RRM2B Antibody

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.

Overview

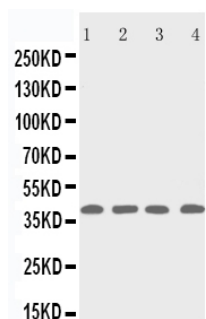
Product Name	Anti-p53R2/RRM2B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-p53R2/RRM2B Antibody catalog # PA2053. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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

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.
Predicted Reactive Species	Hamster
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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-p53R2/RRM2B Antibody (PA2053) Images



Anti-p53R2 antibody, PA2053, Western blotting

Lane 1: Rat Thymus Tissue Lysate

Lane 2: MCF-7 Cell Lysate

Lane 3: A431 Cell Lysate

Lane 4: HELA Cell Lysate

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