

Anti-p53R2 RRM2B Antibody

Catalog Number: A03055-1

About RRM2B

The p53 tumor-suppressor gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 signaling, including p53R2, Chk2, p53AIP1, Noxa, PIDD, and PID/MTA2, were recently discovered. p53R2 is a p53 inducible gene that contains a p53 binding sequence and encodes a subunit of the enzyme ribonucleotide reductase. p53R2 is induced by the reagents, ultraviolet and gamma-irradiation that cause DNA damages. The product of p53R2 gene is directly involved in the p53 checkpoint for repair of damaged DNA. The isoform of the p53 family member p73 also induces p53R2 expression. p53R2 is an important target of p53 for tumor suppression.

Overview

Product Name	Anti-p53R2 RRM2B Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-p53R2 RRM2B Antibody (Catalog # A03055-1). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	p53R2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	p53R2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q7LG56

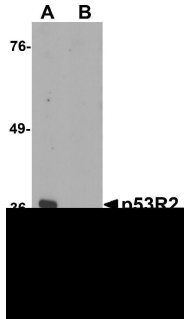
Technical Details

Immunogen	p53R2 antibody was raised against a 16 amino acid peptide near the amino terminus of human p53R2. The immunogen is located within the first 50 amino acids of p53R2.
Predicted Reactive Species	Bovine
Cross Reactivity	At least six isoforms of p53R2 are known to exist; this antibody will detect all but the largest isoform.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	p53R2 Antibody is affinity chromatography purified via peptide column.

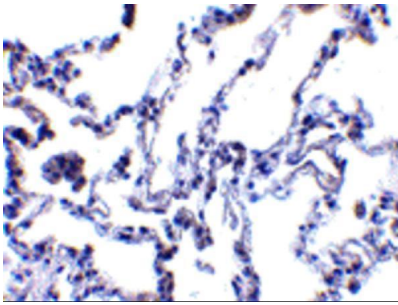
Suggested Dilutions

p53R2 antibody can be used for detection of p53R2 by Western blot at 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 1 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

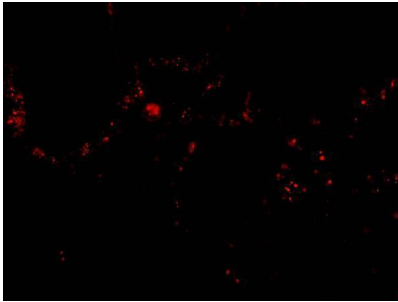
Anti-p53R2 RRM2B Antibody (A03055-1) Images



Western blot analysis of p53R2 in 3T3 cell lysate with p53R2 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of p53R2 in human lung tissue with p53R2 antibody at 1 ug/mL.



Immunofluorescence of p53R2 in Human Lung tissue with p53R2 antibody at 20 ug/mL.

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