

Datasheet for ABIN6990359
anti-RRM2B antibody (N-Term)



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Overview

Quantity:	0.1 mg
Target:	RRM2B
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RRM2B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product 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.
Isotype:	IgG
Specificity:	At least six isoforms of p53R2 are known to exist, this antibody will detect all but the largest isoform.
Purification:	p53R2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	RRM2B
Alternative Name:	p53R2 (RRM2B Products)

Target Details

Background:	P53R2 Antibody: 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.
Molecular Weight:	Predicted: 39 kDa Observed: 43 kDa
Gene ID:	50484
UniProt:	Q7LG56
Pathways:	p53 Signaling, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Application Notes:	p53R2 antibody can be used for detection of p53R2 by Western blot at 1 μg/mL. Antibody can also be used for immunohistochemistry starting at 1 μg/mL. For immunofluorescence start at 20 μg/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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	p53R2 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C, 4 °C

Storage Comment: p53R2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.