

Datasheet for ABIN500437
anti-RRM2B antibody (N-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mg
Target:	RRM2B
Binding Specificity:	AA 2-17, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RRM2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	p53R2 antibody was raised against a synthetic peptide corresponding to amino acids 2 to 17 of human p53R2.
Isotype:	IgG
Specificity:	This antibody detects p53R2 at N-term.
Purification:	Peptide Affinity Chromatography

Target Details

Target:	RRM2B
Alternative Name:	RRM2B / P53R2 (RRM2B Products)

Target Details

Background:	<p>The p53 tumor-suppresspr gene integrates numerous signals that control cell life and death. Several novel molecules involved in p53 signaling, including p53R2 , Chk2 (2), p53AIP1 (3), Noxa (4), PIDD (5), and PID/MTA2 (6), were recently discovered. p53R2 is a p53 inducible gene that contains a p53 binding sequence and encodes a subunit of the enzyme ribonucleotide reductase (1,7). p53R2 is induced by the reagents, ultraviolet and g-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 (8). p53R2 is an important target of p53 for tumour suppression.Synonyms: Ribonucleoside-diphosphate reductase subunit M2 B, TP53-inducible ribonucleotide reductase M2 B, p53-inducible ribonucleotide reductase small subunit 2-like protein</p>
Gene ID:	50484
UniProt:	Q7LG56
Pathways:	p53 Signaling , Negative Regulation of intrinsic apoptotic Signaling

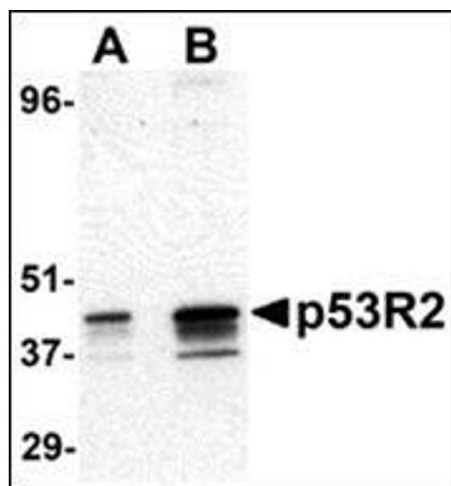
Application Details

Application Notes:	<p>ELISA. Western blot: 0.5-1 µg/mL (A 39 kDa band can be detected). Immunohistochemistry on Paraffin Sections. Positive Controls: A431 Cell Lysate, 3T3 Whole Cell Lysate, Human Lung Tissue Lysate.</p> <p>Other applications not tested.</p> <p>Optimal dilutions are dependent on conditions and should be determined by the user.</p>
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Restrictions:	For Research Use only
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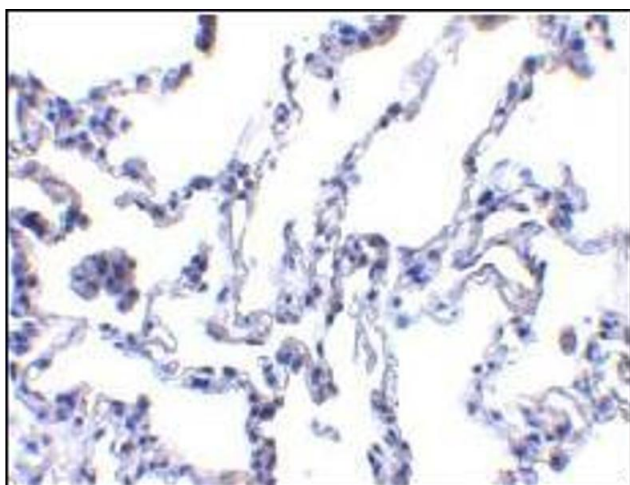
Handling

Buffer:	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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of p53R2 expression in A431 cell lysate with this product at (A) 0.5 and (B) 1 μ g /ml.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. AP30640PU-N p53R2 antibody staining of Human lung tissue by Immunohistochemistry at 1 μ g/ml.