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Datasheet for ABIN755028  
**anti-RRM2B antibody (AA 131-230) (Cy5.5)**

### Overview

Quantity:	100 µL
Target:	RRM2B
Binding Specificity:	AA 131-230
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RRM2B antibody is conjugated to Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human p53R2/RRM2B
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Pig,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	RRM2B
Alternative Name:	p53R2 ( <a href="#">RRM2B Products</a> )

## Target Details

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**Background:** Synonyms: DKFZp686M05248, MGC102856, MGC42116, MTDPS8A, MTDPS8B, p53 inducible ribonucleotide reductase small subunit 2 homolog, p53 inducible ribonucleotide reductase small subunit 2 like protein, p53 R2, p53-inducible ribonucleotide reductase small subunit 2-like protein, p53R2, Ribonucleoside diphosphate reductase M2 subunit B, Ribonucleoside-diphosphate reductase subunit M2 B, Ribonucleotide reductase M2 B TP53 inducible, Ribonucleotide reductase M2 B, Ribonucleotide reductase small subunit like 2 p53 inducible, RIR2B\_HUMAN, RRM 2B, RRM2B, TP53 inducible ribonucleotide reductase M2 B, TP53-inducible ribonucleotide reductase M2 B.

**Background:** This gene encodes the small subunit of a p53-inducible ribonucleotide reductase. This heterotetrameric enzyme catalyzes the conversion of ribonucleoside diphosphates to deoxyribonucleoside diphosphates. The product of this reaction is necessary for DNA synthesis. Mutations in this gene have been associated with autosomal recessive mitochondrial DNA depletion syndrome, autosomal dominant progressive external ophthalmoplegia-5, and mitochondrial neurogastrointestinal encephalopathy. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2010].

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**Gene ID:** 50484

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**Pathways:** [p53 Signaling](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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**Preservative:** ProClin

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**Precaution of Use:** This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

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## Handling

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Storage: -20 °C

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months