


## Product datasheet

# Anti-RRM2 antibody ab154964

[1 References](#) [3 Images](#)

### Overview

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<b>Product name</b>	Anti-RRM2 antibody
<b>Description</b>	Rabbit polyclonal to RRM2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Cow, Zebrafish 
<b>Immunogen</b>	Recombinant fragment corresponding to a region within amino acids 1-259 of RRM2 (P31350).
<b>Positive control</b>	293T, A431, H1299, HeLa, Molt4 whole cell lysates; A549 cells; Human Cal27 xenograft tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab154964 in the following tested applications.

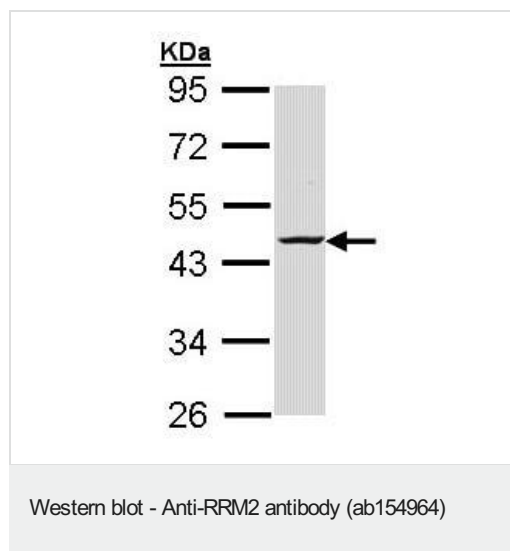
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 45 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol using 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).
ICC/IF		1/100 - 1/1000.

## Target

<b>Function</b>	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. Inhibits Wnt signaling.
<b>Pathway</b>	Genetic information processing; DNA replication.
<b>Sequence similarities</b>	Belongs to the ribonucleoside diphosphate reductase small chain family.
<b>Post-translational modifications</b>	Phosphorylation on Ser-20 relieves the inhibitory effect on Wnt signaling.
<b>Cellular localization</b>	Cytoplasm.

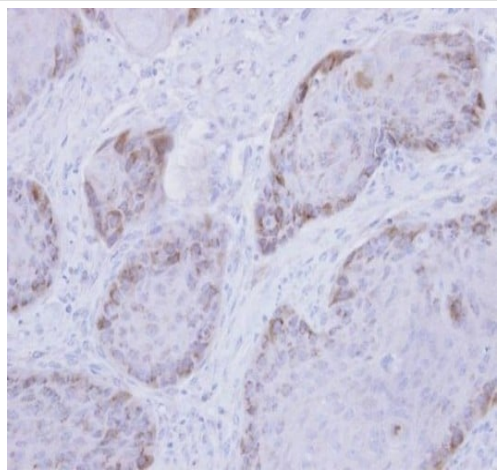
## Images



Anti-RRM2 antibody (ab154964) at 1/1000 dilution + H1299 whole cell lysate at 30 µg

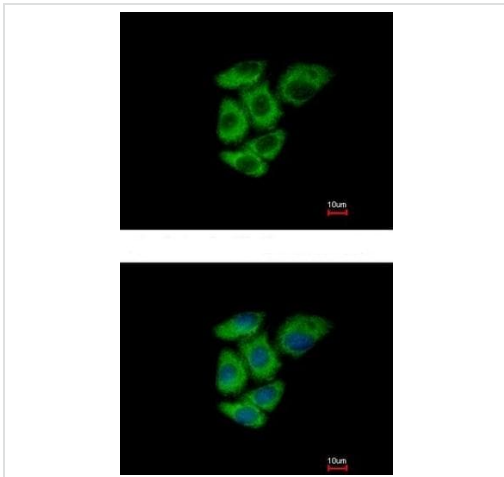
**Predicted band size:** 45 kDa

10% SDS PAGE



Immunohistochemical analysis of paraffin embedded Human Cal27 xenograft tissue labeling RRM2 with ab154964 at 1/500.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RRM2 antibody (ab154964)



Immunofluorescence analysis of methanol fixed A549 cells labeling RRM2 with ab154964 at 1/500. Lower panel shows costaining with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-RRM2 antibody (ab154964)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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