

**Anti-RRM2B Antibody**  
**Rabbit polyclonal antibody to RRM2B**  
**Catalog # AP60509****Specification**

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**Anti-RRM2B Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q7LG56</a>
Other Accession	<a href="#">Q6PEE3</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	40737

**Anti-RRM2B Antibody - Additional Information****Gene ID** 50484**Other Names**

P53R2; Ribonucleoside-diphosphate reductase subunit M2 B; TP53-inducible ribonucleotide reductase M2 B; p53-inducible ribonucleotide reductase small subunit 2-like protein; p53R2

**Target/Specificity**

Recognizes endogenous levels of RRM2B protein.

**Dilution**

WB~~WB (1/500 - 1/1000)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-RRM2B Antibody - Protein Information****Name** RRM2B**Synonyms** P53R2**Function**

Plays a pivotal role in cell survival by repairing damaged DNA in a p53/TP53-dependent manner. Supplies deoxyribonucleotides for DNA repair in cells arrested at G1 or G2. Contains an iron-tyrosyl free radical center required for catalysis. Forms an active ribonucleotide reductase (RNR) complex with RRM1 which is expressed both in resting and proliferating cells in response to DNA damage.

**Cellular Location**

Cytoplasm. Nucleus. Note=Translocates from cytoplasm to nucleus in response to DNA damage

#### **Tissue Location**

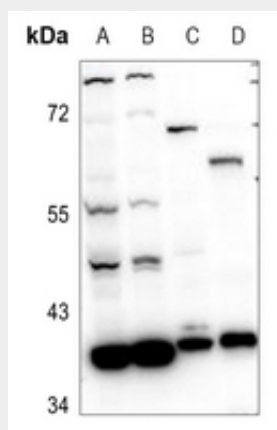
Widely expressed at a high level in skeletal muscle and at a weak level in thymus. Expressed in epithelial dysplasias and squamous cell carcinoma.

#### **Anti-RRM2B Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Anti-RRM2B Antibody - Images**



Western blot analysis of RRM2B expression in A375 (A), HCT116 (B), mouse brain (C), rat prostate (D) whole cell lysates.

#### **Anti-RRM2B Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RRM2B. The exact sequence is proprietary.