

### **Anti-RRM2B Antibody**

Rabbit polyclonal antibody to RRM2B Catalog # AP60509

## **Specification**

## **Anti-RRM2B Antibody - Product Information**

Application WB
Primary Accession Q7LG56
Other Accession Q6PEE3
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**

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

#### **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.



Tel: 858.875.1900 Fax: 858.875.1999

## **Cellular Location**

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

#### **Tissue Location**

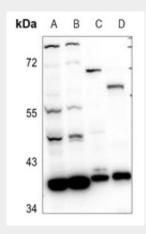
Widely expressed at a high level in skeletal muscle and at a weak level in thymus. Expressed in epithelial dysplasias and squamous cell carcinoma.

# **Anti-RRM2B Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.