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Datasheet for ABIN5008208

anti-RRM2B antibody (AA 131-230) (Alexa Fluor 750)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | RRM2B |
| Binding Specificity: | AA 131-230 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RRM2B antibody is conjugated to Alexa Fluor 750 |
| 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 (RRM2B Products) |

Target Details

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].

Gene ID: 50484

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

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

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

Preservative: ProClin

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

Handling

Storage: -20 °C

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

Expiry Date: 12 months