

RRM2B polyclonal antibody

Catalog # PAB15993 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RRM2B.
Immunogen	A synthetic peptide corresponding to N-terminus of human RRM2B.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — RRM2B

Entrez GeneID	50484
Gene Name	RRM2B

Gene Alias	DKFZp686M05248, MGC102856, MGC42116, p53R2
Gene Description	ribonucleotide reductase M2 B (TP53 inducible)
Omim ID	604712
Gene Ontology	Hyperlink
Other Designations	p53-inducible ribonucleotide reductase small subunit 2 homolog p53-inducible ribonucleotide reductase small subunit 2 long form p53-inducible ribonucleotide reductase small subunit 2 short form gamma

Publication Reference

- [Mitochondrial DNA depletion syndrome due to mutations in the RRM2B gene.](#)

Bornstein B, Area E, Flanigan KM, Ganesh J, Jayakar P, Swoboda KJ, Coku J, Naini A, Shanske S, Tanji K, Hirano M, DiMauro S.

Neuromuscular Disorders 2008 Jun; 18(6):453.

- [Mutation of RRM2B, encoding p53-controlled ribonucleotide reductase \(p53R2\), causes severe mitochondrial DNA depletion.](#)

Bourdon A, Minai L, Serre V, Jais JP, Sarzi E, Aubert S, Chretien D, de Lonlay P, Paquis-Flucklinger V, Arakawa H, Nakamura Y, Munnich A, Rotig A.

Nature Genetics 2007 Jun; 39(6):776.

Application: WB-Ce, WB-Ti, Human, Lymphoblastoid, Fibroblasts, Amniotic cells, Kidney, Muscle

- [The human ribonucleotide reductase subunit hRRM2 complements p53R2 in response to UV-induced DNA repair in cells with mutant p53.](#)

Zhou B, Liu X, Mo X, Xue L, Darwish D, Qiu W, Shih J, Hwu EB, Luh F, Yen Y.

Cancer Research 2003 Oct; 63(20):6583.

Application: IF, WB-Ce, WB-Ti, WB-Tr, Human, Liver, Heart, Lung, Ovary, Prostate, Testis, KB, PC3, DU145 cells

Pathway

- [Glutathione metabolism](#)
- [Metabolic pathways](#)
- [p53 signaling pathway](#)
- [Purine metabolism](#)

- [Pyrimidine metabolism](#)

Disease

- [Adenoma](#)
- [Carcinoma](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Head and Neck Neoplasms](#)
- [Lung Neoplasms](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)