

RRM2B polyclonal antibody

Catalog # PAB16911 Size 100 ug

Applications

Western Blot

Western blot using RRM2B polyclonal antibody (Cat # PAB16911) shows detection of recombinant (Lanes 1 and 3) and endogenous protein (Lanes 1 to 4) in whole cell extracts from transfected 293T.

Lane 1 contains purified recombinant human p53R2.

Lane 2 contains 293T cells transfected with control vector.

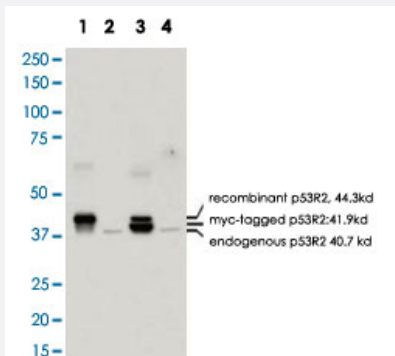
Lane 3 contains 293T transfected with p53R2-myc.

Lane 4 : 293T transfected with ScRNA.

Lane 5 : 293T tranfected with p53R2 SiRNA The band at 40.7 KDa, indicated by the bottom arrowhead, corresponds to the expected molecular weight of endogenous RRM2B.

The band with the middle arrow corresponds to myc-tagged p53R2 at 41.9 KDa. The highest band at 44.3 KDa corresponds to recombinant p53R2.

Primary antibody was diluted to 1 ug/mL and incubated overnight at 4°C. ECL detection was used.



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
Form	Liquid
Recommend Usage	ELISA (1:3000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (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

Western blot using RRM2B polyclonal antibody (Cat # PAB16911) shows detection of recombinant (Lanes 1 and 3) and endogenous protein (Lanes 1 to 4) in whole cell extracts from transfected 293T.

Lane 1 contains purified recombinant human p53R2.

Lane 2 contains 293T cells transfected with control vector.

Lane 3 contains 293T transfected with p53R2-myc.

Lane 4 : 293T transfected with ScRNA.

Lane 5 : 293T transfected with p53R2 SiRNA The band at 40.7 KDa, indicated by the bottom arrowhead, corresponds to the expected molecular weight of endogenous RRM2B.

The band with the middle arrow corresponds to myc-tagged p53R2 at 41.9 KDa. The highest band at 44.3 KDa corresponds to recombinant p53R2. Primary antibody was diluted to 1 ug/mL and incubated overnight at 4°C. ECL detection was used.

- 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

- [PKB/Akt: a key mediator of cell proliferation, survival and insulin responses?](#)

Lawlor MA, Alessi DR.

Journal of Cell Science 2001 Aug; 114(Pt 16):2903.

Application: IHC, WB-Tr, Human, Cancers, Mammalian 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](#)