

Product Datasheet

RRM2 Antibody (1E1) - Azide and BSA Free H00006241-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00006241-M01

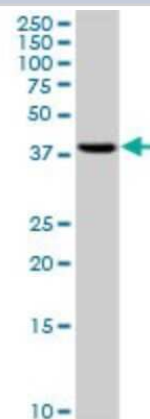
RRM2 Antibody (1E1) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1E1
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	6241
Gene Symbol	RRM2
Species	Human
Specificity/Sensitivity	RRM2 - ribonucleotide reductase M2 polypeptide
Immunogen	RRM2 (NP_001025, 1 a.a. ~ 110 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MLSLRVPLAPITDPQQLQLSPLKGLSLVDKENTPPALSGTRVLASKTARRIFQEP TEPKTKAAAPGVEDEPLLRENPRRFVIFPIEYHDIWQMYKKAESFWTAAEEVDL S
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

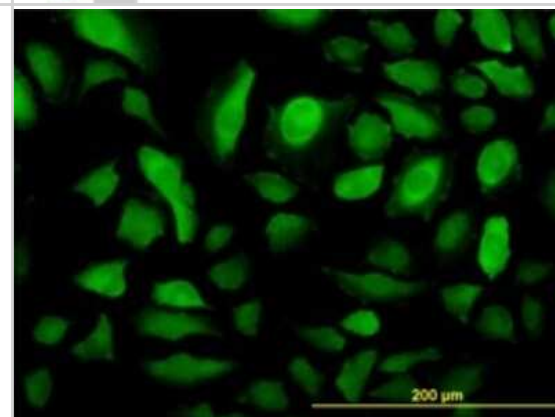


Images

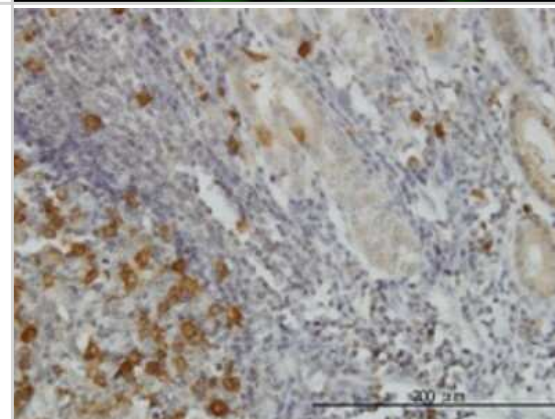
Western Blot: RRM2 Antibody (1E1) [H00006241-M01] - RRM2 monoclonal antibody (M01), clone 1E1. Analysis of RRM2 expression in HepG2.



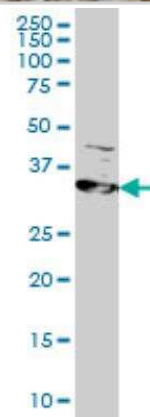
Immunocytochemistry/Immunofluorescence: RRM2 Antibody (1E1) [H00006241-M01] - Analysis of monoclonal antibody to RRM2 on HeLa cell. Antibody concentration 10 ug/ml.



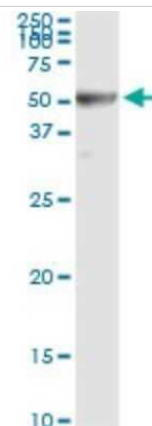
Immunohistochemistry-Paraffin: RRM2 Antibody (1E1) [H00006241-M01] - Analysis of monoclonal antibody to RRM2 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 1.5 ug/ml.



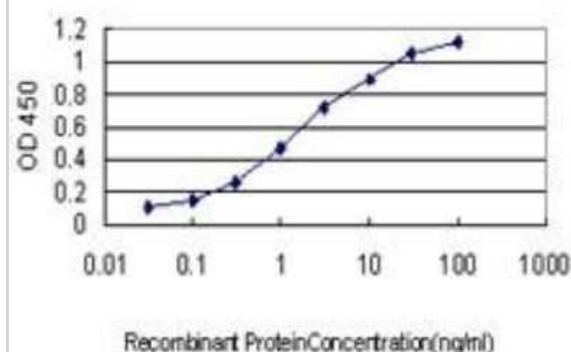
Western Blot: RRM2 Antibody (1E1) [H00006241-M01] - RRM2 expression in HeLa NE (Cat # L013V3).



Immunoprecipitation: RRM2 Antibody (1E1) [H00006241-M01] - Analysis of RRM2 transfected lysate using anti-RRM2 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with RRM2 MaxPab rabbit polyclonal antibody.



ELISA: RRM2 Antibody (1E1) [H00006241-M01] - RRM2 Antibody (1E1) [H00006241-M01] - Detection limit for recombinant GST tagged RRM2 is approximately 0.03ng/ml as a capture antibody.



Publications

Yoshida Y, Tsunoda T, Doi K et al. KRAS-mediated Up-regulation of RRM2 Expression Is Essential for the Proliferation of Colorectal Cancer Cell Lines. *Anticancer Res.* 2011-07-01 [PMID: 21873171]

Castelblanco E, Zafon C, Maravall J et al. APLP2, RRM2 and PRC1: new putative markers for the differential diagnosis of thyroid follicular lesions. *Thyroid* 2016-10-31 [PMID: 27796194]

Toompuu M, Karblane K, Pata P et al. ABCE1 is essential for S phase progression in human cells. *Cell Cycle.* 2016-03-17 [PMID: 26985706] (WB, Human)

Kim SH, Park ER, Joo HY et al. RRM1 maintains centrosomal integrity via CHK1 and CDK1 signaling during replication stress. *Cancer Lett.* 2014-01-14 [PMID: 24434653]

Grossi F, Dal Bello MG, Salvi S et al. Expression of Ribonucleotide Reductase Subunit-2 and Thymidylate Synthase Correlates with Poor Prognosis in Patients with Resected Stages I-III Non-Small Cell Lung Cancer. *Disease Markers.* 2015-10-07 [PMID: 26663950] (IHC-P, Human)

Details:

RRM2 antibody was used at 1:10 dilution for IHC-P analysis of tumour samples from 82 consecutive patients with stages I-III non-small cell lung cancer/NSCLC. The assay implicated 3µm sections, automatic immunostainer, antigen-retrieval with citrate buffer (pH 6) at 90C for 30 minutes, 1 hour 37C incubation and post primary processing with Ultraview Universal DAB Detection Kit.

Anagnostou, V K, Dimou, A T, Botsis, T et al. Molecular classification of nonsmall cell lung cancer using a 4-protein quantitative assay *Cancer* 2012-01-01 [PMID: 22009769] (WB, Human)

Tang LY, Deng N, Wang LS et al. Quantitative phosphoproteome profiling of Wnt3a mediated signaling network: indicating the involvement of ribonucleoside-diphosphate reductase M2 subunit phosphorylation at residue serine-20 in canonical Wnt signal transduction. *Mol Cell Proteomics*;6(11):1952-67. 2007-11-01 [PMID: 17693683]

Zhou J, Snyder A, Lieberman PM. Epstein-Barr virus episome stability is coupled to a delay in replication timing. *J Virol.* 2008-12-10 [PMID: 19073720]



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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-44468	Recombinant Human RRM2 His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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