



[Go to Product page](#)

Datasheet for ABIN2452118

anti-RRM2 antibody (C-Term)

4 Images

1 Publication

Overview

Quantity:	100 µg
Target:	RRM2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	C-terminal peptide of Human and Mouse RRM2, C-TENSFTLDADF, conjugated with KLH
Cross-Reactivity (Details):	Not tested in other species.
Purification:	Affinity-purified with the immunogen peptide
Sterility:	Sterile filtered

Target Details

Target:	RRM2
Alternative Name:	RRM2 / RNR-R2 (RRM2 Products)
Background:	Betag Ribonucleoside-diphosphate reductase subunit M2 (RRM2, 389 aa, 45 kDa) also known as ribonucleotide reductase subunit R2 (RNR-R2), is a rate-limiting subunit of an enzyme that catalyzes the formation of deoxyribonucleotides from ribonucleotides. Deoxyribonucleotides in turn are used in the synthesis of DNA. The reaction catalyzed by RNR is strictly conserved in all

Target Details

living organisms. Furthermore RNR plays a critical role in regulating the total rate of DNA synthesis so that DNA to cell mass is maintained at a constant ratio during cell division and DNA repair.

UniProt: [P31350](#)

Pathways: [Mitotic G1-G1/S Phases](#)

Application Details

Application Notes: 1) Western blotting: ~ 1/1,000 dilution
Not tested for other applications

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS (x1), 50 % glycerol. Azide and carrier free.

Preservative: Azide free

Storage: -20 °C

Storage Comment: Upon receipt aliquot and store at -20 C

Publications

Product cited in: Freed: "HIV-1 gag proteins: diverse functions in the virus life cycle." in: **Virology**, Vol. 251, Issue 1, pp. 1-15, (1998) ([PubMed](#)).

Saito, Morimoto, Ohara, Takamizawa, Nakata, Shinagawa: "Overproduction, purification, and diagnostic use of the recombinant HIV-1 Gag proteins, the precursor protein p55 and the processed products p17, p24, and p15." in: **Microbiology and immunology**, Vol. 39, Issue 7, pp. 473-83, (1996) ([PubMed](#)).

Adachi, Gendelman, Koenig, Folks, Willey, Rabson, Martin: "Production of acquired immunodeficiency syndrome-associated retrovirus in human and nonhuman cells transfected with an infectious molecular clone." in: **Journal of virology**, Vol. 59, Issue 2, pp. 284-91, (1986) ([PubMed](#)).

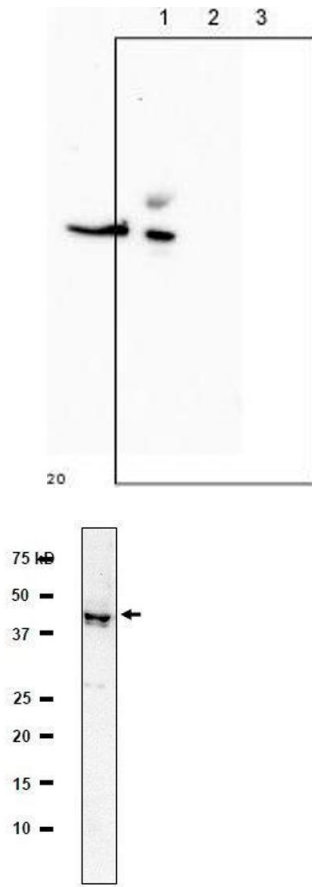


Fig. 2 Western blot analysis of RRM2 protein in the whole cell extract of HeLa
 Extract (20 μ g). Anti-RRM2 antibody was used at 1/2000 dilution.

Western Blotting

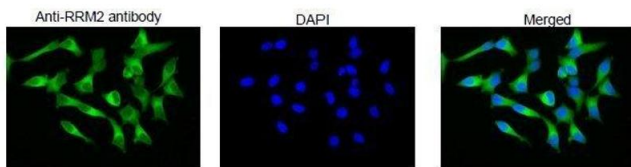
Image 1.

Western Blotting

Image 2.

Immunofluorescence

Image 3.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2452118.