

Anti-RRM1 / RNR-R1 antibody, rabbit polyclonal

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| Product code | 69-100 |
| Size | 100 µg |
| Storage | -20°C |
| Concentration | 1.0 mg/ml |
| Buffer | PBS ⁻ with 50% glycerol |
| Purity | Purified IgG fraction with protein A from rabbit antiserum. |
| Immunogen | Recombinant His-tagged RRM1 (182-717 amino acids) of <i>Xenopus laevis</i> . |
| Isotype | Rabbit IgG |
| Reactivity | <i>Xenopus</i> , human, mouse, rat, hamster. Not tested in other species. |
| Special notes | N/A |
| Application | 1. Western blotting (1/1,000-1/2,000 dilution) 2. Immunofluorescence staining (1/100 dilution) |
| Background | RRM1 (Ribonucleoside-diphosphate reductase 1) catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides and provides the precursors necessary for DNA synthesis. RRM1 consists of 797 amino acids with molecular mass of 90,833. |
| Data Link | UniProtKB/Swiss-Prot Q6GM88 (Q6GM88_XENLA), P23921 (RIR1_HUMAN) |
| Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE. | |

Data Images: 69-100 Anti-RRM1 / RNR-R1 antibody, rabbit polyclonal

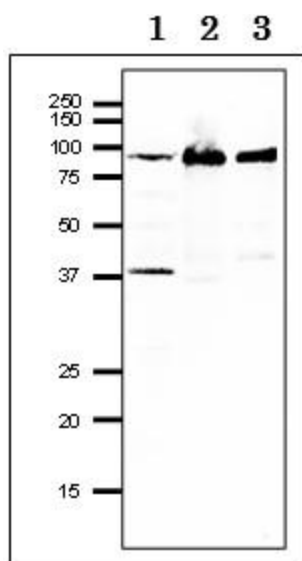


Fig 1, Western blot of RRM1 at endogenous level.

1. Xenopus egg extract

2. HeLa cell extract

3. Chinese Hamster Ovary cell extract.

12.5% SDS-PAGE, blotting overnight at 15 V, wet system

First antibody at 1/1,000 dilution. Second antibody, goat anti-rabbit IgG at 1/10,000 dilution.

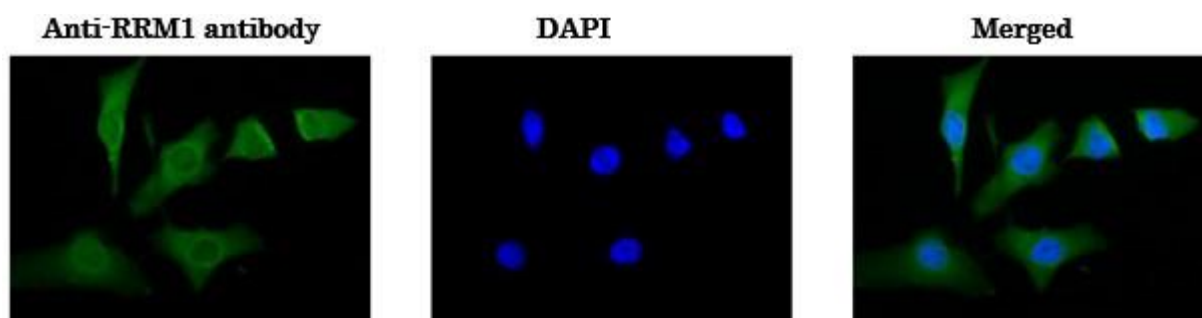


Fig.3 Immunofluorescence staining of HeLa cells with anti-RRM1 antibody.

Cells were fixed with 4% PFA and permeabilized with 0.25% Triton X-100. The antibody was used at 1/100 dilution. Localization is mainly cytoplasm.

Reference : This product was used in the following publication.

1. Takada S. et al. Identification of ribonucleotide reductase protein R1 as an activator of microtubule nucleation in Xenopus egg mitotic extracts. *Mol Biol. Cell* 11,: 41734187 (2000)
PMID: [11102516](https://pubmed.ncbi.nlm.nih.gov/11102516/) WB, IF (Xenopus)