

Anti-RRM1 / RNR-R1 antibody, rabbit polyclonal

Product code	69-100
Size	100 µg
Storage	-20°C
Concentration	2.0 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

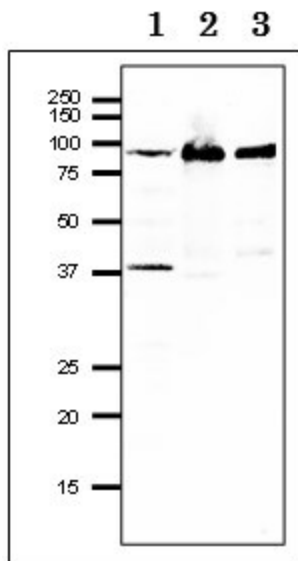


Fig 1, Western blot of RRM1 at endogenous level.

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.

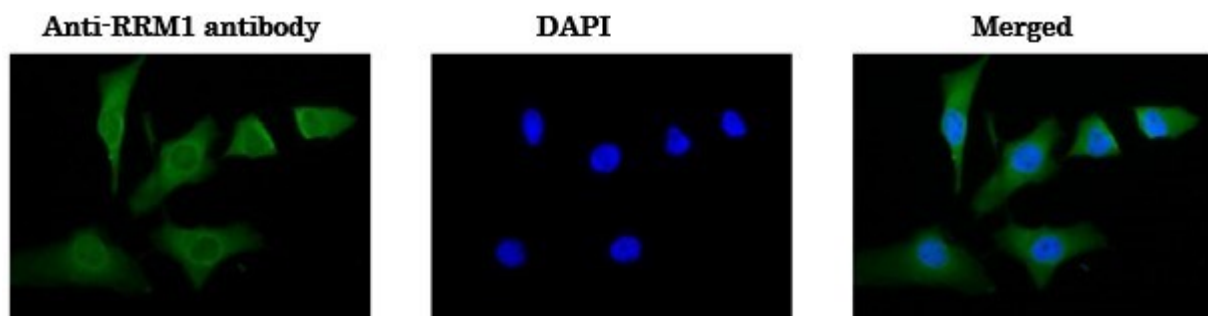


Fig.3 Immunofluorescence staining of HeLa cells with anti-RRM1 antibody.

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)