

Anti- RRM1 / RNR-R1 antibody, rabbit polyclonal

69-100 100 µg

Storage: Shipped at 4°C and aliquot and store at -20°C

Reactivity: Xenopus, human, mouse, rat, hamster

Applications:

1. Western blotting (1/1,000-1/2,000 dilution)
2. Immunofluorescence staining (1/100 dilution)

Immunogen: Recombinant His-tagged RRM2 (182-717 amino acids) of *Xenopus laevis*.

Form: IgG (Protein A affinity purified) 1 mg/ml in PBS, 50% glycerol, Filter-sterilized

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)

Reference : This product was used in the following publication.

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](#) **WB, IF (Xenopus)**

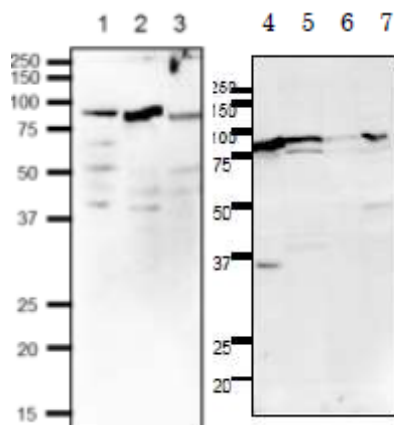


Fig.1 Detection of endogenous RRM1 protein in crude extracts of mammalian cells and *Xenopus* eggs.

The antibody was used at 1/1,1000 dilution

1. *Xenopus* lavaes eggs
2. HeLa cells
3. CHO cells
4. HeLa cells
5. MCF7 cells
6. NIH3T3 cells
7. CHO cells

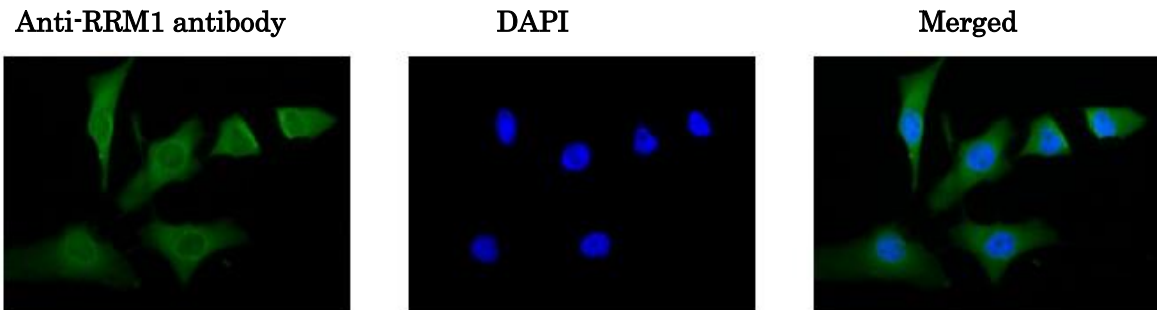


Fig.2 Immunofluorescence staining of HeLa cells with anti-RRM1 antibody

Cells were fixed with 4% PFA and permeabilized with 0.25% Triton X-100.

The antibody was used at 1/100 dilution.