

Anti-Rad22/Rad52 (*S. pombe*) antibody, affinity purified

Immunized Animal: Rabbit

Polyclonal antiserum

Cat.# 63-003, 50 µl

Rad22 protein of *Schizosaccharomyces pombe* (469 aa, 52 kDa) is a functional and structural homolog of *S. cerevisiae* and human Rad52 proteins, which play a major role together with Rhp51 in genetic recombination and recombination repair by mediating strand annealing reaction between homologous DNA strands.

Applications

- 1) Western blot (x 2,000~5,000 dilution)
- 2) Immunoprecipitation
- 3) Immunofluorescence Staining
- 4) ELISA

Specification

Immunogen: Recombinant full-size Rad22 protein of *S. pombe* expressed in *E. coli*.

Purification: Affinity-purified with highly purified Rad22 protein conjugated with agarose beads.

Form: 1 mg/ml in PBS with 50% Glycerol, filter-sterilized

Storage: Ship at 4°C or -20°C and store at -20°C

Reference

1. Lehmann AR "Molecular biology of DNA repair in the fission yeast *Schizosaccharomyces pombe*." *Mutation Res* **363**:147-161 Review (1996) PMID: [8765156](https://pubmed.ncbi.nlm.nih.gov/8765156/)

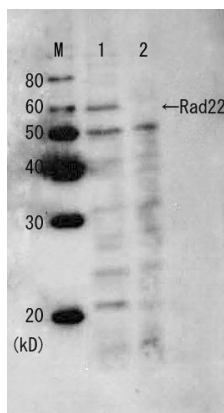


Fig.2. Western blot analysis of Rad22 protein in the whole cell extracts with anti-Rad22 serum before affinity purification. M: Molecular weight markers (kD). Lane1: Wild-type strain
Lane2: Rad22 deletion mutant strain

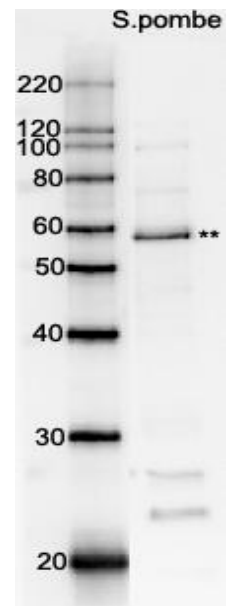


Fig.1 Western blot analysis of Rad22 in the whole cell extracts with affinity-purified antibody. M: Molecular weight markers (kD)
Lane 1: Protein size markers (kDa) Lane 2: Extract of wild-type *S. pombe*. ** indicates Rad22 protein band.

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