Anti-Rad22 (*S. pombe*) antibody, rabbit polyclonal, affinity purified

63-003 50 μg

Shipping and Storage: Shipped at 4℃ or -20℃ and store at -20℃.

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

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

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

Applications

1) Western blotting (x 2,000~5,000 dilution)

2) Immunoprecipitation

3) Immunofluorescence Staining

4) ELISA

Background: Rad22 protein of *Schizosaccharomyces pombe* (469 aa, 52 kDa) is a functional and structural homolog of *Saccharomyces 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.

Data Link: SwissProt: P36592 Schizosaccharomyces pombe

- Entrez Gene: 2543086 Schizosaccharomyces pombe

Reference

1.Lehmann AR "Molecular biology of DNA repair in the fission yeast Schizosaccharomyces pombe." *Mutation Res* **363**:147-161 Review (1996) PMID: 8765156

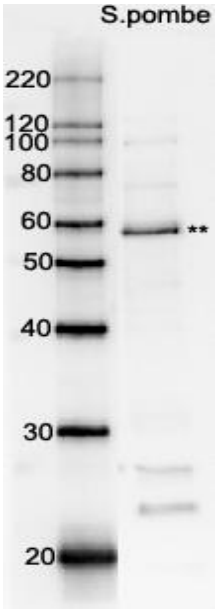

Fig.1 Western blot analysis of Rad22 in the whole cell extracts with affinity-purified antibody.
M: Molecular weight markers (kD)
Lane 1:Protein size markers (kDa)
Lane 2:Extract of wild-type S. pombe
** indicates Rad22 protein band.

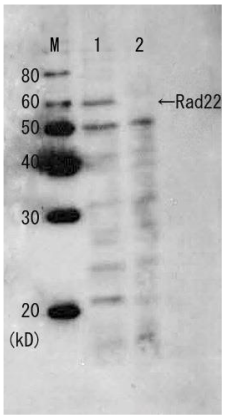

Fig.2. Western blot analysis of Rad22 protein in the whole cell extracts with anti-Rad22 serum before affinity purification.
M: Molecular weight markers (kD)
Lane1: Wild-type strain
Lane2: Rad22 deletion mutant strain