

Anti-Rad52(human) antibody, antigen affinity purified

70-015 50 μ g

Human Rad52 protein is a functional and structural homolog of yeast Rad52 protein, which plays a major role in genetic recombination and recombination repair by mediating strand annealing between homologous DNA strands (1). Rad51 functionally and physically interacts with Rad52 in recombination processes. It also interacts with oncogenes and tumor suppressors for the maintenance of genome stability (1).

The product was prepared by immunizing rabbit with full-size recombinant Rad52 protein expressed in *E. coli* and affinity-purified with the recombinant Rad52.

Using this anti-serum, Rad52 protein (46 kD) was detected by Western blotting (Fig 1) at 46 kD position .This antibody was successfully used for immunoprecipitation assay (Fig. 2) .

Usage

- 1) Western blotting (x 2,000)
- 2) Immuno-precipitation
- 3) Detection of foci formation by indirect immunofluorescence

Specification

Reacts with: Human and mammalian Rad52 protein

Form: 1 mg/ml PBS (20mM Na-phosphate pH7.5 , 0.15M NaCl), 50% glycerol

Storage: -20 $^{\circ}$ C

Reference

- 1.Friedberg EC, et al. DNA Repair and Mutagenesis 2nd ed., ASM Press

Fig. 1 Western blot and immuno-precipitation of Rad52

Lane1 : 1 ng / lane purified hRad52 protein (products code 10-003)

Lane2 : immunoprecipitation sample (MCF7)

