



POLYCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. 70-015

Anti-Rad52, antigen affinity purified

BACKGROUND

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 Rad51 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, Lane 1) at 46 kD position. This antibody was successfully used for immunoprecipitation assay (Fig. 1, Lane 2).

Product type	Primary antibodies
Host	Rabbit
Source	Serum
Form	Liquid
	1 mg/ml PBS (20mM Na-phosphate pH7.5, 0.15M NaCl), 50% glycerol
Volume	50 µg
Concentration	
Specificity	Human Rad52
Antigen	full-size recombinant Rad52 protein expressed in <i>E. coli</i>
Isotype	IgG

Application notes WB, IP, Detection of foci formation by indirect immunofluorescence

Recommended use

Recommended dilutions

WB: x 2,000

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern

Cross reactivity Human and mammalian Rad52 protein

Storage -20°C

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

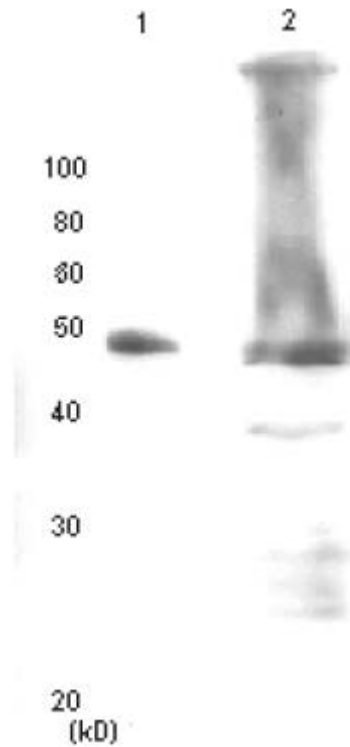


Fig.1 Western blot and immuno-precipitation of Rad 52
Lane 1: 1 ng / lane purified Rad52 protein (products code BAM-10-003)
Lane 2: immunoprecipitation sample (MCF7)

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