

# Rad52 Rabbit mAb

Catalog No.: A5186

Recombinant

2 Publications

## Basic Information

### Observed MW

50kDa

### Calculated MW

13kDa/15kDa/25kDa/46kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

### CloneNo number

ARC1183

## Background

The protein encoded by this gene shares similarity with *Saccharomyces cerevisiae* Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair. A pseudogene of this gene is present on chromosome 2. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

5893

### Swiss Prot

P43351

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 319-418 of human Rad52 (P43351).

### Synonyms

RAD52; DNA repair protein RAD52 homolog; Rad52

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

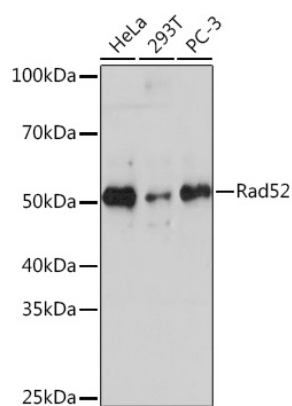
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using Rad52 Rabbit mAb (A5186) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3min.