

RAD52 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO2154a**Specification****RAD52 Antibody - Product Information**

Application	E, WB
Primary Accession	P43351
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	46.2kDa KDa

Description

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.

Immunogen

Purified recombinant fragment of human RAD52 (AA: 269-418) expressed in *E. Coli*.

Formulation

Purified antibody in PBS with 0.05% sodium azide

RAD52 Antibody - Additional Information

Gene ID 5893

Other Names

DNA repair protein RAD52 homolog, RAD52

Dilution

E~~1/10000

WB~~1/500 - 1/2000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RAD52 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

RAD52 Antibody - Protein Information

Name RAD52

Function

Involved in double-stranded break repair. Plays a central role in genetic recombination and DNA repair by promoting the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase.

Cellular Location

Nucleus.

RAD52 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)