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RAD52 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2183a

Product Information

Application	WB, E
Primary Accession	P43351
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3E11B2E8C11
Isotype	IgG1
Calculated MW	46169
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

Additional Information

Gene ID	5893
Other Names	DNA repair protein RAD52 homolog, RAD52
Dilution	WB~~1/500 - 1/2000 E~~1/10000
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.

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.

References

1.Blood. 2013 Aug 15;122(7):1293-304. 2.PLoS One. 2012;7(11):e50461.

Images

