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Rabbit Anti-Rad52/AF350 Conjugated antibody

SL1878R-AF350

Product Name	Anti-Rad52/AF350
Chinese Name	AF350 标记的 Rad52 抗体
Alias	DNA repair protein RAD52; DNA repair protein RAD52 homolog; RAD 52; RAD52 homolog (S. cerevisiae); RAD52 homolog; Recombination protein RAD52; Rhabdomyosarcoma antigen MU RMS 40.23; DNA repair protein RAD52 homolog; RAD52_HUMAN; RAD52 homolog.
Research Area	Chromatin and nuclear signals transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	46kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Rad52
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**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. [provided by RefSeq, Jul 2008]

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.

Subunit:
The full-length protein forms heptameric rings. Interacts with ABL1.

Subcellular Location:
Nucleus (Potential).

Post-translational modifications:
Phosphorylated upon DNA damage by ABL1, and probably by ATM or ATR.

Similarity:
Belongs to the RAD52 family.

Database links:

Entrez Gene: 5893 Human

Omim: 600392 Human

SwissProt: P43351 Human

Unigene: 410355 Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.