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Datasheet for ABIN7468852
anti-RAD52 antibody

Overview

Quantity:	100 µL
Target:	RAD52
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RAD52 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Human Rad52 recombinant protein expressed in E. coli.
Clone:	5H9
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Protein G purified

Target Details

Target:	RAD52
Alternative Name:	RAD52 homolog, DNA repair protein (RAD52 Products)
Background:	Synonyms: RAD52 homolog, DNA repair protein Background: The protein encoded by this gene shares similarity with <i>Saccharomyces cerevisiae</i>

Target Details

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. [provided by RefSeq, Jul 2014]

Molecular Weight:	46 kDa
Gene ID:	5893
UniProt:	P43351
Pathways:	DNA Damage Repair

Application Details

Application Notes:	WB: 1:500-1:3000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: HeLa whole cell lysate
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, No Preservative
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.