



# Rad52 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-00514
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	RAD52
<b>Protein Name</b>	DNA repair protein RAD52 homolog
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human RAD52. AA range:70-119
<b>Specificity</b>	Rad52 Monoclonal Antibody detects endogenous levels of Rad52 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-1:2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	RAD52; DNA repair protein RAD52 homolog
<b>Observed Band</b>	46kD
<b>Cell Pathway</b>	Nucleus .
<b>Tissue Specificity</b>	Amygdala,Brain,Embryonal rhabdomyosarcoma,Hippocampus,PCR rescued c
<b>Function</b>	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.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the RAD52 family.,subunit:Forms a undecameric ring.,
<b>Background</b>	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. [provided by RefSeq, Jul 2014],

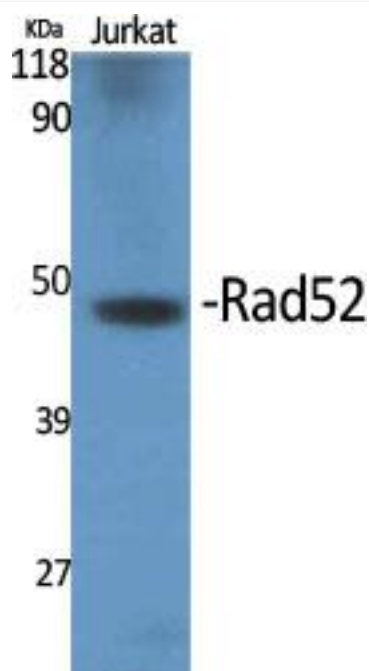
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of various cells using Rad52 Monoclonal Antibody