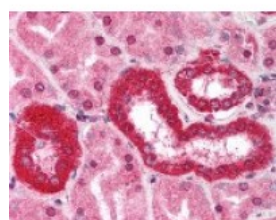




## RAD52 Antibody [5H9]

CATALOG NUMBER: 48-859



Immunohistochemistry staining of RAD52 in kidney tissue using RAD52 monoclonal Antibody.

### Specifications

<b>SPECIES REACTIVITY:</b>	Human
<b>TESTED APPLICATIONS:</b>	IHC, WB
<b>APPLICATIONS:</b>	RAD52 antibody can be used in ELISA, Western Blot starting at 1:500 - 1:1000, and immunohistochemistry starting at 5 ug/mL.
<b>USER NOTE:</b>	This product ships on dry ice.
<b>IMMUNOGEN:</b>	RAD52 monoclonal antibody was raised against recombinant RAD52 (Human).
<b>HOST SPECIES:</b>	Mouse

### Properties

<b>PURIFICATION:</b>	Protein G Column
<b>PHYSICAL STATE:</b>	Liquid
<b>BUFFER:</b>	PBS, pH 7.2, Contains no preservative.
<b>STORAGE CONDITIONS:</b>	Store RAD52 antibody at -20 °C. As with all antibodies avoid freeze/thaw cycles.
<b>CLONALITY:</b>	Monoclonal
<b>ISOTYPE:</b>	IgG
<b>CONJUGATE:</b>	Unconjugated

### Additional Info

<b>ALTERNATE NAMES:</b>	RAD52, RAD52 (S. cerevisiae) homolog, RAD52 homolog (S. cerevisiae), Recombination protein RAD52
<b>ACCESSION NO.:</b>	P43351
<b>PROTEIN GI NO.:</b>	1172823
<b>OFFICIAL SYMBOL:</b>	RAD52
<b>GENE ID:</b>	5893

### Background

**BACKGROUND:** DNA double-strand breaks can be generated by exposure to ionizing radiation or through endogenous cellular

reactions. Double-strand breaks are generally thought to be repaired via one of two distinct mechanisms: homologous recombination (HR) or non-homologous end joining (NHEJ). Homologous recombination requires the activity of the members of the RAD52 epistasis group, which include RAD50, RAD51, RAD52, RAD54, RDH54/TID1, RAD55, RAD57, RAD59, MRE11, and XRS2. RAD52 can catalyze strand annealing reactions, and can form oligomers that attach to ends of single-stranded DNA.

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**FOR RESEARCH USE ONLY**

December 13, 2016