

**Product Name: Rad51 (4H10) Mouse Monoclonal Antibody**  
**Catalog #: AMM03448**



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## Summary

<b>Production Name</b>	Rad51 (4H10) Mouse Monoclonal Antibody
<b>Description</b>	Primary antibody
<b>Host</b>	Mouse
<b>Application</b>	WB
<b>Reactivity</b>	Human,Mouse,Rat,Monkey

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG2a
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	RAD51
<b>Alternative Names</b>	RAD51; RAD51A; RECA; DNA repair protein RAD51 homolog 1; HsRAD51; hRAD51; RAD51 homolog A
<b>Gene ID</b>	5888
<b>SwissProt ID</b>	Q06609

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000
<b>Molecular Weight</b>	Calculated MW: 37 kDa; Observed MW: 37 kDa

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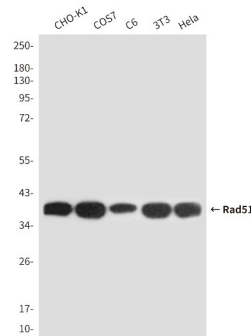
## Background

Rad51 participates in a common DNA damage response pathway associated with the activation of homologous recombination and double-strand break repair. Binds to single and double-stranded DNA and exhibits DNA-dependent ATPase activity. Underwinds duplex DNA and forms helical nucleoprotein filaments.

## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of Rad51 in CHO-K1, COS7, C6, 3T3 and HeLa lysates using Rad51 antibody.

## Note

For research use only.