

## Recombinant Rad51 Monoclonal Antibody

catalog number: **AN301776L**

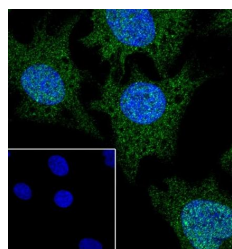
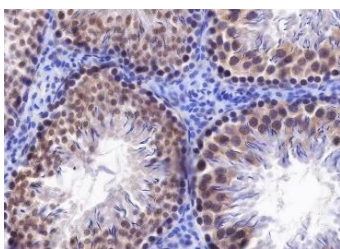
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

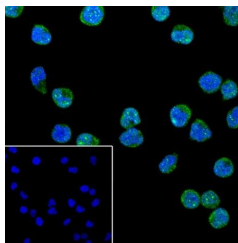
<b>Reactivity</b>	Human;Rat;Mouse
<b>Immunogen</b>	Recombinant human Rad51 fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A484
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:100
<b>IF</b>	1:100-1:200



Immunohistochemistry of paraffin-embedded Rat testis using Immunofluorescent analysis of (4% Paraformaldehyde) fixed Rad51 Monoclonal Antibody at dilution of 1:100. HeLa cells using anti-Rad51 Monoclonal Antibody at dilution of 1:200.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed Jurkat cells using anti-Rad51 Monoclonal Antibody at dilution of 1:500.

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	Ice bag

### Background

DNA repair protein RAD51 homolog 1 (Rad51) plays an important role in homologous strand exchange, a key step in DNA repair through homologous recombination (HR). Rad51 binds to single and double-stranded DNA and exhibits DNA-dependent ATPase activity. Rad51 catalyzes the recognition of homology and strand exchange between homologous DNA partners to form a joint molecule between a processed DNA break and the repair template.

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.0