

# Anti-RAD51 recombinase Recombinant Rabbit Monoclonal Antibody



**Catalog #: 4041**

## Aliases

RAD51; RAD51 Recombinase; RAD51A; BRCC5; FANCR; RECA; BRCA1/BRCA2-Containing Complex, Subunit 5; DNA Repair Protein RAD51 Homolog 1; RAD51 Homolog A; HsT16930; HsRad51; HRAD51; RAD51 Homolog (RecA Homolog, E. Coli) (S. Cerevisiae); RAD51 (S. Cerevisiae) Homolog (E Coli RecA Homolog); RAD51 Homolog (S. Cerevisiae); RecA, E. Coli, Homolog Of; Recombination Protein A; RecA-Like Protein; HST16930; HSRAD51; HsRAD51; MRMV2

## Background

Gene Name: RAD51

NCBI Gene Entry: [5888](#)

UniProt Entry: [Q06609](#)

## Application Information

Molecular Weight: Predicted, 37 kDa; observed, 36 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 24GB9295

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

A synthesized peptide derived from human Rad51

## Isotype

Rabbit IgG

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:2,000-1:10,000

Flow Cytometry (FCM): 1:2,000

Immunocytochemistry (IC): 1:100-1:1,000

---

### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

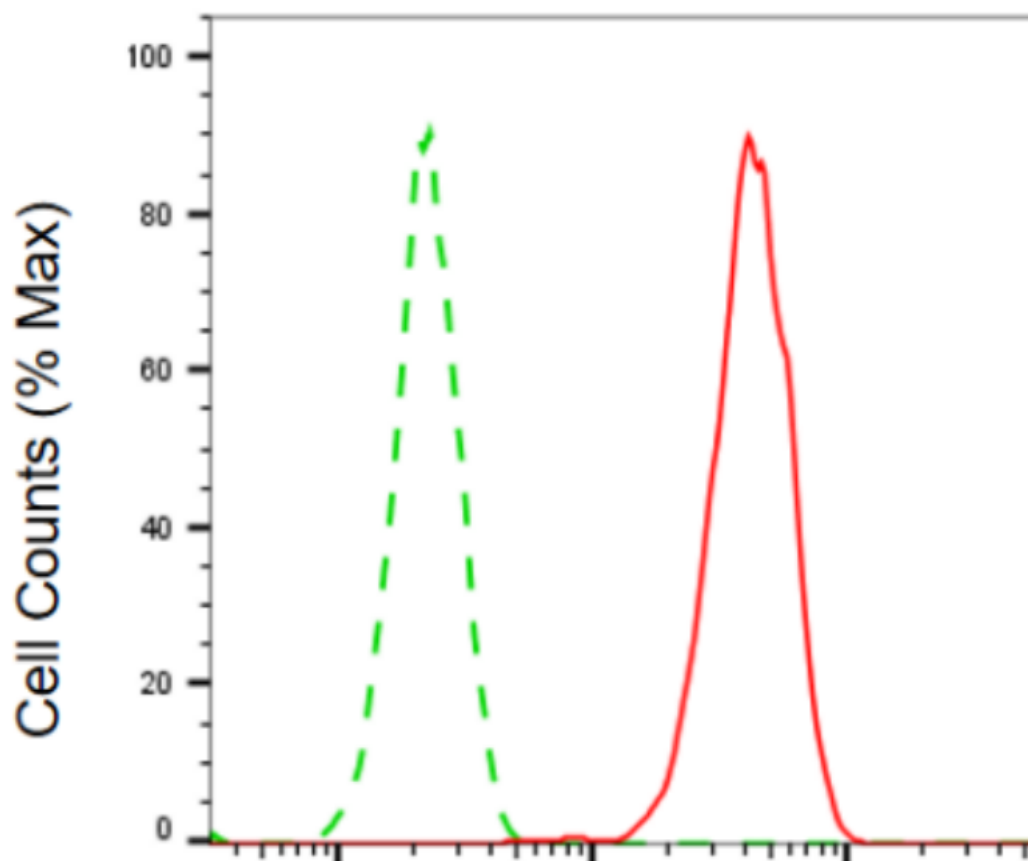
[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)

# Anti-RAD51 recombinase Recombinant Rabbit Monoclonal Antibody

PAGE 2

**Note:** This product is for research use only.

## Validation Data



Copyright ©2024 Genuin Biotechnologies LLC

## RAD51 recombinase-Alexa Fluor® 647

Flow cytometric analysis of RAD51 recombinase expression in HAP-1 cells using anti-RAD51 recombinase antibody (Cat#4041, 1:2,000). Green, isotype control; red, RAD51 recombinase.

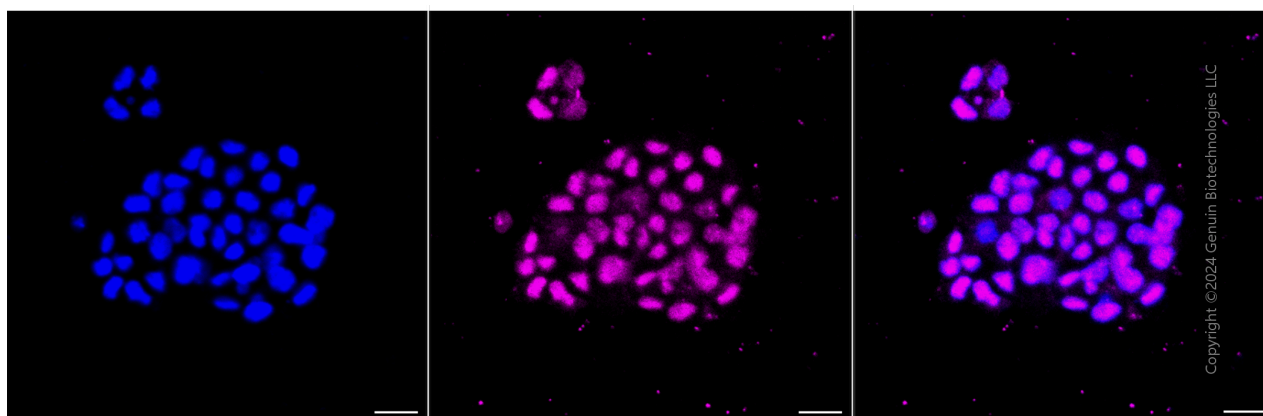
### SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

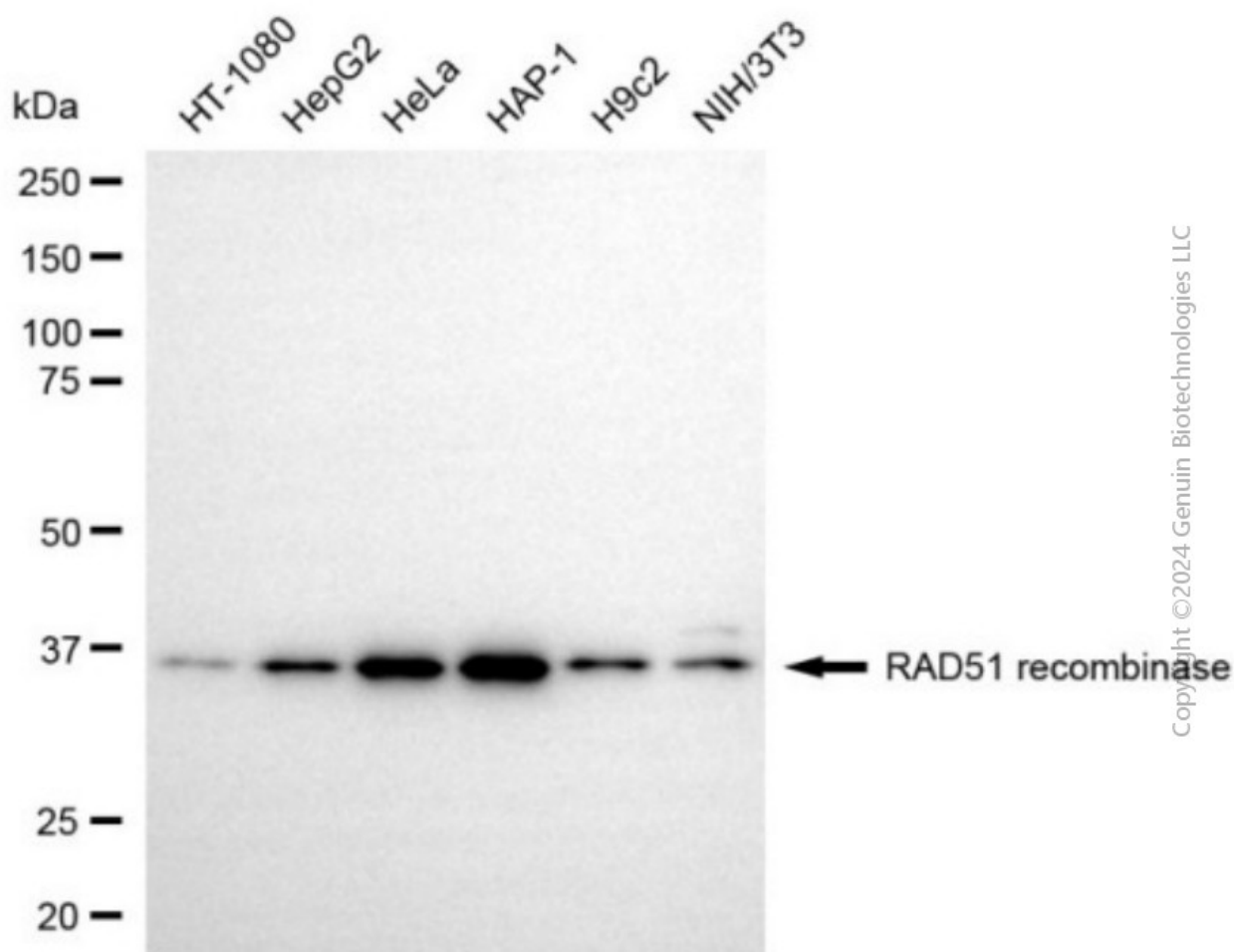
### ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)



Immunocytochemical staining of HAP-1 cells with anti-RAD51 recombinase antibody (Cat#4041, 1:1,000). Nuclei were stained blue with DAPI; RAD51 recombinase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.



Western blotting analysis using anti-RAD51 recombinase antibody (Cat#4041). Total cell lysates

## SUPPORT

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

## ORDERS

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

[WWW.GENUINBIOTECH.COM](http://WWW.GENUINBIOTECH.COM)

## **Anti-RAD51 recombinase Recombinant Rabbit Monoclonal Antibody**

PAGE 4

(30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RAD51 recombinase antibody (Cat#4041, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).

---

### **SUPPORT**

SUPPORT@GENUINBIOTECH.COM  
TEL: +1-540-855-7041

### **ORDERS**

SALES@GENUINBIOTECH.COM  
FAX: +1-540-855-7041

**WWW.GENUINBIOTECH.COM**