

KD-Validated Anti-RAD51 Antibody

Anti-RAD51 Recombinase Rabbit Monoclonal

Rabbit monoclonal antibody

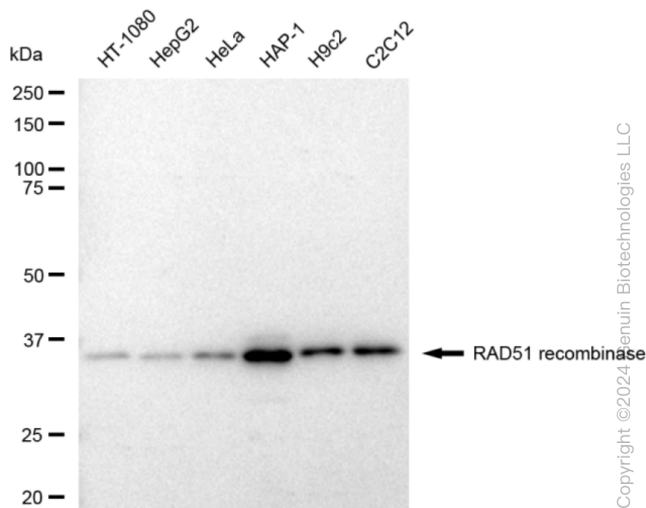
ABG1460

Product Overview

Name	KD-Validated Anti-RAD51 recombinase Rabbit Monoclonal Antibody
Accession(Primary)	Q06609
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Rad51
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 37 kDa, observed, 36 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000

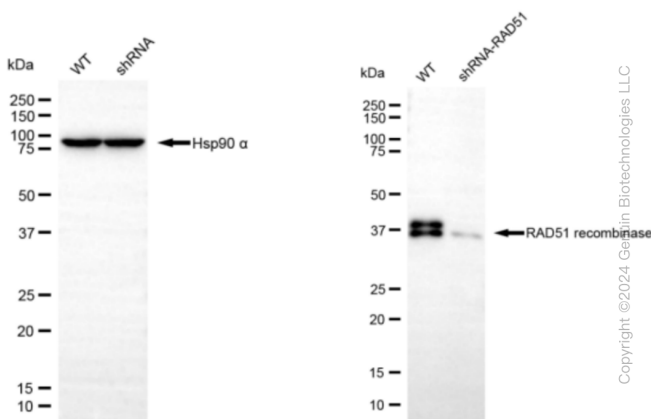
Target information (Q06609)

Gene Name	RAD51
About Gene Symbol	RAD51 (RAD51 Recombinase) is an epigenetic and nuclear regulatory protein involved in DNA damage response and repair. It is an important research target in epigenetic regulation, chromatin biology, and cancer research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



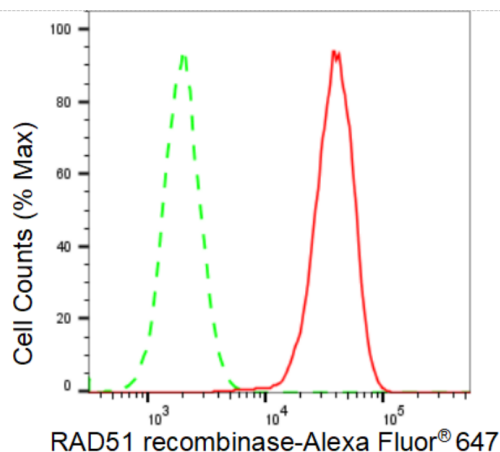
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Western blotting analysis using anti-RAD51 recombinase antibody (Cat#ABG1460). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RAD51 recombinase antibody (Cat#ABG1460, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



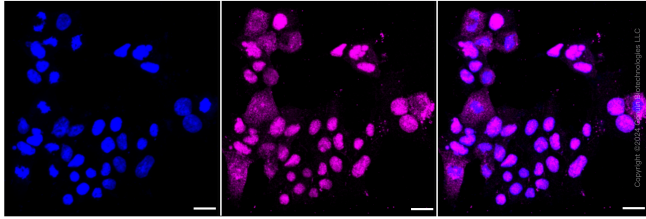
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Western blotting analysis using anti-RAD51 recombinase antibody (Cat#ABG1460). RAD51 recombinase expression in wild type (WT) and RAD51 recombinase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-RAD51 recombinase antibody (Cat#ABG1460, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of RAD51 recombinase expression in HAP-1 cells using RAD51 recombinase antibody (Cat#ABG1460, 1:2,000). Green, isotype control; red, RAD51 recombinase.



Immunocytochemical staining of HAP-1 cells with RAD51 recombinate antibody (Cat#ABG1460, 1:1,000). Nuclei were stained blue with DAPI; RAD51 recombinate 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 μ m.