

KD-Validated Anti-RAD50 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

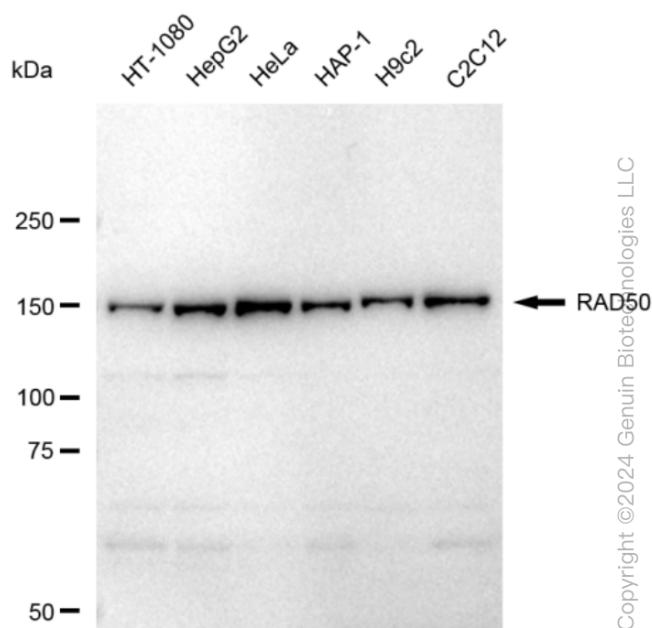
ABG1395

Product Overview

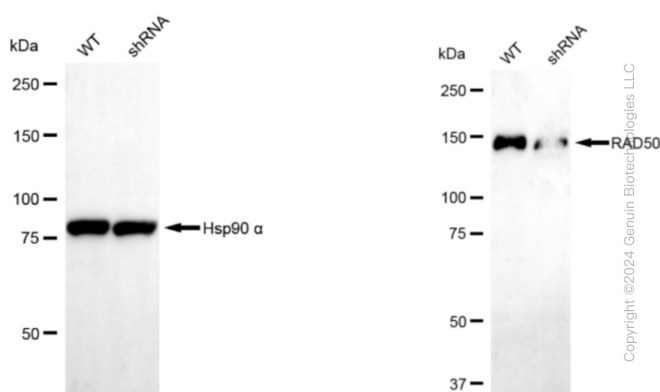
Name	KD-Validated Anti-RAD50 Rabbit Monoclonal Antibody
Accession(Primary)	Q92878
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human Rad50
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 154 kDa , observed, 154 kDa
Storage Buffer	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 (Q92878)

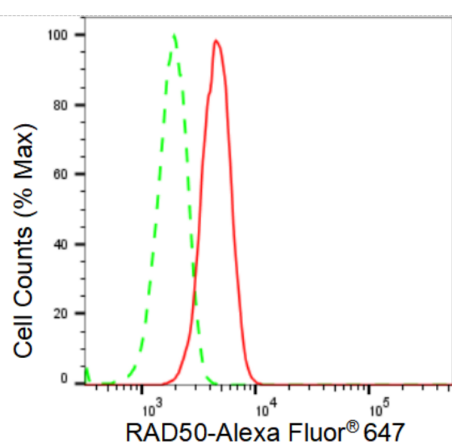
Gene Name	RAD50
About Gene Symbol	RAD50 (RAD50 Double Strand Break Repair Protein) is a metabolic enzyme involved in DNA damage response and repair. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.



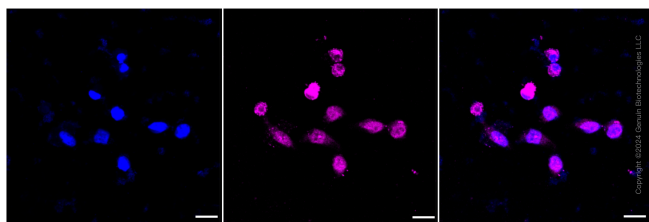
Western blotting analysis using anti-RAD50 antibody (Cat#ABG1395). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-RAD50 antibody (Cat#ABG1395, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-RAD50 antibody (Cat#ABG1395). RAD50 expression in wild type (WT) and RAD50 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-RAD50 antibody (Cat#ABG1395, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of RAD50 expression in HeLa cells using RAD50 antibody (Cat#ABG1395, 1:2,000). Green, isotype control; red, RAD50.



Immunocytochemical staining of HeLa cells with RAD50 antibody (Cat#ABG1395, 1:1,000). Nuclei were stained blue with DAPI; RAD50 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.