

DATASHEET

RAD54B Rabbit Polyclonal Antibody

CAT. NO. APA16660

KEY FEATURES

Target	RAD54B	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB, IP	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

Multifunctional ATPase that could play with RAD54, a redundant role in homologous recombination (HR), a major pathway for repairing DNA double-strand breaks (DSBs), single-stranded DNA (ssDNA) gaps, and stalled or collapsed replication forks , a major pathway for repairing DNA double-strand breaks (DSBs), single-stranded DNA (ssDNA) gaps, and stalled or collapsed replication forks . Could act as a molecular motor during the homology search and guide RAD51 ssDNA along a donor dsDNA thereby changing the homology search from the diffusion-based mechanism to a motor-guided mechanism . Once DNA strand exchange occurred, could dissociate RAD51 from nucleoprotein filaments formed on dsDNA .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
IP	1:20 - 1:100

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

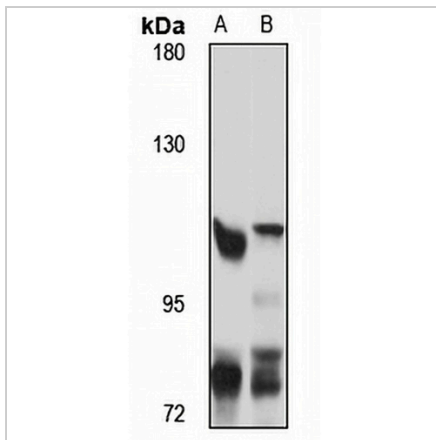
Description	Rabbit polyclonal antibody to RAD54B
Specificity	Recognizes endogenous levels of RAD54B protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human RAD54B. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 103 kD; Observed: 103 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	DNA repair and recombination protein RAD54B; RAD54 homolog B
Gene Symbol	RAD54B
Entrez Gene	25788(Human); 623474(Mouse)
SwissProt	Q9Y620(Human); Q6PFE3(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of RAD54B expression in Jurkat (A), mouse testis (B) whole cell lysates. (Predicted band size: 103 kD; Observed band size: 103 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.