

## Rad54B rabbit pAb

Cat No.: ES5438

For research use only

## Overview

Product Name Rad54B rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA

Species Cross-Reactivity Human; Rat; Mouse;

**Recommended dilutions** Immunohistochemistry: 1/100 - 1/300. ELISA:

1/10000. Not yet tested in other applications.

Immunogen The antiserum was produced against synthesized

peptide derived from human RAD54B. AA

range:241-290

**Specificity** Rad54B Polyclonal Antibody detects endogenous

levels of Rad54B protein.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name DNA repair and recombination protein RAD54B

Gene Name RAD54B Cellular localization Nucleus .

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

**Observed band** 

Human Gene ID 25788 Human Swiss-Prot Number Q9Y620

Alternative Names RAD54B; DNA repair and recombination protein

RAD54B; RAD54 homolog B

Background The RAD54 homolog B encoded by RAD54B belongs

to the DEAD-like helicase superfamily. It shares similarity with Saccharomyces cerevisiae RAD54 and RDH54, both of which are involved in homologous recombination and repair of DNA. This protein binds

to double-stranded DNA, and displays ATPase



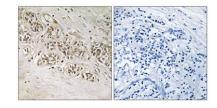
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activity in the presence of DNA. This gene is highly expressed in testis and spleen, which suggests active roles in meiotic and mitotic recombination. Homozygous mutations of this gene were observed in primary lymphoma and colon cancer.

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using RAD54B Antibody. The picture on the right is blocked with the synthesized peptide.



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