

Recombinant Human RAD54B cell lysate

Cat. No. RAD54B-1460HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene belongs to the DEAD-like helicase superfamily. It shares similarity with <i>Saccharomyces cerevisiae</i> 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 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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	RAD54B RAD54 homolog B (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	RAD54B
Synonyms	RAD54B; RAD54 homolog B (<i>S. cerevisiae</i>); DNA repair and recombination protein

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	RAD54B; RDH54;
Gene ID	25788
mRNA Refseq	NM_001205262
Protein Refseq	NP_001192191
MIM	604289
UniProt ID	Q9Y620
Chromosome Location	8q22.1
Pathway	Homologous recombination, organism-specific biosystem; Homologous recombination, conserved biosystem;
Function	ATP binding; DNA helicase activity; DNA translocase activity; RNA helicase activity; hydrolase activity; nucleotide binding;

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