

Rad51 Rabbit anti-Human Polyclonal (N-Terminus) Antibody - LS-C97314 - LSBio

CatalogID:	LS-C97314
Target:	RAD51 homolog (RecA homolog, E. coli) (<i>S. cerevisiae</i>)
Synonyms:	RAD51 Antibody, BRCC5 Antibody, HRAD51 Antibody, HsRad51 Antibody, HsT16930 Antibody, RAD51A Antibody, RECA Antibody
Host:	RAD51 antibody was produced in Rabbit
Clonality:	Polyclonal
Antigen Species:	RAD51 antibody was raised against Human
Antigen Type:	Synthetic peptide
Immunogen:	RAD51 antibody was raised against kLH conjugated synthetic peptide selected from the N-terminal region of human CYP39A1.
Epitope:	N-Terminus
Predicted Species Reactivity:	Human, Mouse
Purification:	Ammonium Sulfate Precipitation
Presentation:	PBS, 0.09% sodium azide
Recommended Storage:	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.
Uses:	Western blot (WB) (1:50 - 1:100), ELISA (1:50 - 1:100) (Optimal dilution to be determined by the researcher)
Size:	100 µg
Concentration:	0.25 mg/ml
Summary:	The protein encoded by this gene is a member of the RAD51 protein family. RAD51 family members are highly similar to bacterial RecA and <i>Saccharomyces cerevisiae</i> Rad51, and are known to be involved in the homologous recombination and repair of DNA. This protein can interact with the ssDNA-binding protein RPA and RAD52, and it is thought to play roles in homologous pairing and strand transfer of DNA. This protein is also found to interact with BRCA1 and BRCA2, which may be important for the cellular response to DNA damage. BRCA2 is shown to regulate both the intracellular localization and DNA-binding ability of this protein. Loss of these controls following BRCA2 inactivation may be a key event leading to genomic instability and tumorigenesis. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. Transcript variants utilizing alternative polyA signals exist.
Requested From:	Japan

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