



Rabbit Anti-Human RAD51 polyclonal antibody (DCABH-2769)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	RAD51
Immunogen	Synthetic peptide derived from N-terminus of human RAD51 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunoaffinity purified
Conjugate	Unconjugated
Applications	IHC-P
Molecular Weight	37 kDa
Cellular Localization	Nucleus
Positive Control	Breast Carcinoma, Tonsil
Format	Liquid
Buffer	PBS, 1% BSA, pH 7.6
Preservative	< 0.1% Sodium Azide
Storage	2-8°C. Do not freeze. The user must validate any other storage conditions. When properly stored, the reagent is stable to the date indicated on the label. Do not use the reagent beyond the expiration date.

BACKGROUND

Introduction	<p>RAD51 is a member of the RAD51 protein family involved in repair of DNA double strand breaks. The protein is highly conserved in most eukaryotes from yeast to humans. It can interact with the ssDNA-binding protein RPA and Rad52, and is thought to play roles in homologous pairing and strand transfer of DNA. The interactions between Rad51 with BRCA1 and BRCA2 may be important for the cellular response to DNA damage. Loss of these interactions may lead to genomic instability and tumorigenesis. RAD51 is overexpressed in a variety of tumors.</p>
Keywords	<p>RAD51;RAD51 recombinase;RECA;BRCC5;MRMV2;HRAD51;RAD51A;HsRad51;HsT16930;DNA repair protein RAD51 homolog 1;RAD51 homolog A;RecA-like protein;recombination protein A;RecA, E. coli, homolog of;BRCA1/BRCA2- containing complex, subunit 5</p>

GENE INFORMATION

Entrez Gene ID	5888
UniProt ID	Q06609