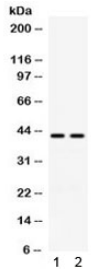
RAD51C Antibody (R31816)

Catalog No.	Formulation	Size
R31816	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	O43502
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This RAD51C antibody is available for research use only.



Western blot testing of human 1) A549 and 2) COLO320 cell lysate with RAD51C antibody. Expected molecular weight ~42 kDa.

Description

RAD51 homolog C (S. cerevisiae), also known as RAD51C, is a protein which in humans is encoded by the RAD51C gene. This gene is a member of the RAD51 family of related genes, which encode strand-transfer proteins thought to be involved in recombinational repair of damaged DNA and in meiotic recombination. Ana this gene product interacts with two other DNA repair proteins, encoded by RAD51B and XRCC3, but not with itself. The protein copurifies with XRCC3 protein in a complex, reflecting their endogenous association and suggesting a cooperative role during recombinational repair. This gene is one of four localized to a region of chromosome 17q23 where amplification occurs frequently in breast tumors. Overexpression of the four genes during amplification has been observed and suggests a possible role in tumor

progression. Alternative splicing has been observed for this gene and two variants encoding different isoforms have been identified.

Application Notes

Optimal dilution of the RAD51C antibody should be determined by the researcher.

Immunogen

Amino acids IQHLQLIAEKHKGEEHRKALEDFTLDNILSH of human RAD51C were used as the immunogen for the RAD51C antibody.

Storage

After reconstitution, the RAD51C antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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