

Datasheet for ABIN3043564
anti-RAD51C antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µg
Target:	RAD51C
Binding Specificity:	AA 177-207, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RAD51C antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for DNA repair protein RAD51 homolog 3(RAD51C) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human Rad51C (177-207aa IQHLQLIAEKHKGEEHRKALEDFTLDNILSH), different from the related mouse sequence by eight amino acids.
Sequence:	IQHLQLIAEK HKGEEHRKAL EDFTLDNILS H
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for DNA repair protein RAD51 homolog 3(RAD51C) detection. Tested with WB in Human. Gene Name: RAD51 paralog C

Product Details

Protein Name: DNA repair protein RAD51 homolog 3

Purification: Immunogen affinity purified.

Target Details

Target: RAD51C

Alternative Name: RAD51C ([RAD51C Products](#))

Background: 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.

Synonyms: DNA repair protein RAD51 homolog 3 antibody|MGC104277 antibody|R51H3 antibody|RA51C_HUMAN antibody|Rad 51C antibody|RAD51 homolog C (*S. cerevisiae*) antibody|Rad51 homolog c (*S. cerevisiae*), isoform CRA_b antibody|RAD51 homolog C antibody|RAD51 like protein 2 antibody|RAD51, *S. cerevisiae*, homolog of, C antibody|RAD51-like protein 2 antibody|RAD51C antibody|RAD51C protein antibody|RAD51L2 antibody|RAD51L2/RAD51C protein antibody|RGD1563765 antibody|Yeast RAD51 homolog 3 antibody

Gene ID: 5889

UniProt: [O43502](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

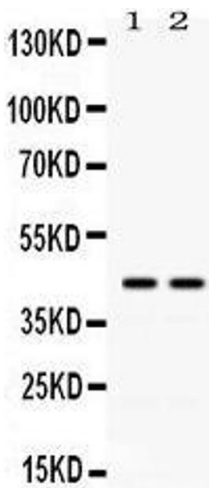
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Observed bind size: 42KD