

Anti-Rad51C [2H11/6] Standard Size Ab01304-23.0

Developed in partnership with Ximbio (www.ximbio.com).

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 2H11/6

Alternative Name(s) of Target: DNA repair protein RAD51 homolog 3; R51H3; RAD51 homolog C; RAD51-like protein 2; BROVCA3; FANCO; MGC104277; RAD51-like protein 2; yeast RAD51 homolog 3; RAD51L2RAD51 (*S. cerevisiae*) homolog C; RAD51L2; 2H11

UniProt Accession Number of Target Protein: O43502

Published Application(s): IP, WB, IF, IHC

Published Species Reactivity: Primate, Yeast, Human, Mouse

Immunogen: This antibody was raised by immunising mice with the denaturated recombinant human RAD51C-His10 protein which had been purified from 2.4 liters of *E. coli* FB810 recA– pLysS carrying pRAD51C-16b.

Specificity: This antibody recognises Rad51C in human, mouse, primate and yeast. Rad51C is a Rad51 paralog, which is a homologue of RecA (*E. coli*). It is involved in homologous recombination during DNA replication and repair.

Application Notes: WB: Rad51C 2H11/6 antibody was used to visualise Rad51C on Western blots in multiple experiments (Masson et al., 2001). IF/ICC: This antibody was also used to stain Rad51C in HEK293 cells during experiments aimed at determining the cellular localization of Rad51C (Bennett and Knight, 2005).

Antibody First Published in: Masson et al. Complex formation by the human RAD51C and XRCC3 recombination repair proteins. *Proc Natl Acad Sci U S A.* 2001 Jul 17;98(15):8440-6. [PMID:11459987](#)

Note on publication: This article describes the detailed generation of this anti-Rad51C antibody as well as successfully applies it in Western analysis.

Product Form

Size: 200 µg Purified antibody.

Purification:

Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.