

**RAD52 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16470b****Specification**

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**RAD52 Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P43351](#)**RAD52 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 5893**Other Names**

DNA repair protein RAD52 homolog, RAD52

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RAD52 Antibody (C-term) Blocking Peptide - Protein Information****Name** RAD52**Function**

Involved in double-stranded break repair. Plays a central role in genetic recombination and DNA repair by promoting the annealing of complementary single-stranded DNA and by stimulation of the RAD51 recombinase.

**Cellular Location**

Nucleus.

**RAD52 Antibody (C-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**RAD52 Antibody (C-term) Blocking Peptide - Images****RAD52 Antibody (C-term) Blocking Peptide - Background**

The protein encoded by this gene shares similarity with *Saccharomyces cerevisiae* Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair.

#### **RAD52 Antibody (C-term) Blocking Peptide - References**

Liu, Y., et al. *Carcinogenesis* 31(10):1762-1769(2010) Ho-Pun-Cheung, A., et al. *Pharmacogenomics J.* (2010) In press : Briggs, F.B., et al. *Am. J. Epidemiol.* 172(2):217-224(2010) Liu, C.Y., et al. *Carcinogenesis* 31(7):1259-1263(2010) Monsees, G.M., et al. *Breast Cancer Res. Treat.* (2010) In press :