

RAD52 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16562c

Specification

RAD52 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P43351](#)

RAD52 Antibody (Center) 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 (Center) 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 (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RAD52 Antibody (Center) Blocking Peptide - Images

RAD52 Antibody (Center) 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 (Center) 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 :