

XRCC2 Antibody(N-term) Blocking peptide
Synthetic peptide
Catalog # BP19368a**Specification****XRCC2 Antibody(N-term) Blocking peptide -
Product Information**Primary Accession [O43543](#)**XRCC2 Antibody(N-term) Blocking peptide -
Additional Information**

Gene ID 7516

Other NamesDNA repair protein XRCC2, X-ray repair
cross-complementing protein 2, XRCC2**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.**XRCC2 Antibody(N-term) Blocking peptide -
Protein Information**

Name XRCC2

FunctionInvolved in the homologous recombination
repair (HRR) pathway of double-stranded
DNA, thought to repair chromosomal
fragmentation, translocations and deletions.
Part of the Rad21 paralog protein complex
BCDX2 which acts in the
BRCA1-BRCA2-dependent HR pathway.
Upon DNA damage, BCDX2 acts
downstream of BRCA2 recruitment and
upstream of RAD51 recruitment. BCDX2**XRCC2 Antibody(N-term) Blocking peptide
- Background**

This gene encodes a member of the
RecA/Rad51-related protein family that
participates in homologous recombination
to maintain chromosome stability and repair
DNA damage. This gene is involved in the
repair of DNA double-strand breaks by
homologous recombination and it functionally
complements Chinese hamster irs1, a
repair-deficient mutant that exhibits
hypersensitivity to a number of different
DNA-damaging agents.

**XRCC2 Antibody(N-term) Blocking peptide
- References**

Liu, Y., et al. Carcinogenesis
31(10):1762-1769(2010) 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
:Lipkin, S.M., et al. Cancer Prev Res (Phila)
3(5):597-603(2010)

binds predominantly to the intersection of the four duplex arms of the Holliday junction and to junction of replication forks. The BCDX2 complex was originally reported to bind single-stranded DNA, single-stranded gaps in duplex DNA and specifically to nicks in duplex DNA.

Cellular Location

Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome

**XRCC2 Antibody(N-term) Blocking peptide
- Protocols**

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

- [Blocking Peptides](#)