

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Rad51B (G226) Peptide

Cat No.: BS2542P

Background

The DNA repair proteins Rad50, Rad51A-D, Rad52 and Rad54 A and B are key components of the double-strand break repair pathway (DSBR). The process of homologous recombination is a major DNA repair pathway that operates on DNA double-strand breaks to promote error-free repair. Human Rad51 protein assembles on a DNA molecule through cooperative binding and forms a long filament for homologous recombination. In addition to Rad51 protein, five paralogs have been identified in vertebrates, Rad51B, Rad51C, Rad51D, Xrcc2 and Xrcc3. Rad51B is a widely expressed protein that is involved in the repair of double-stranded DNA breaks that can arise during DNA replication. It can form a dimer with Rad51C and this complex shows single-stranded DNA dependent ATPase activity.

Swiss-Prot

O15315

Applications

Blocking

Specificity

This peptide can be used with studies using BS2542 Rad51B (G226) pAb.

Purification & Purity

Synthetic peptide Rad51B (G226). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.