

## Rad51B (G226) polyclonal antibody

Catalog: BS2542

Host: Rabbit

Reactivity: Human, Mouse

### 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.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 45 kDa

### Swiss-Prot:

O15315

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

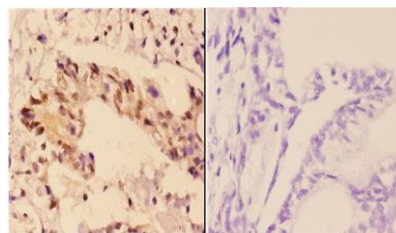
### Storage&Stability:

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

### Specificity:

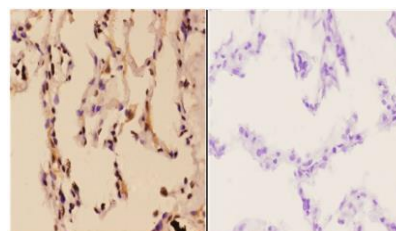
Rad51B (G226) polyclonal antibody detects endogenous levels of Rad51B protein.

### DATA:



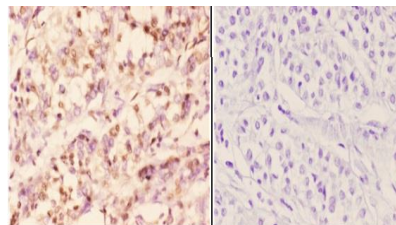
BS2542  
Lot CA36131

Immunohistochemistry (IHC) analyzes of Rad51B (G226) pAb in paraffin-embedded human colon carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of Rad51B (G226) pAb in paraffin-embedded human lung carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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Immunohistochemistry (IHC) analyzes of Rad51B (G226) pAb in paraffin-embedded human liver carcinoma tissue at 1:50, showing cytoplasmic and nuclear staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

**Note:**

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

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