

## Rad51C (E185) polyclonal antibody

Catalog: BS2421

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

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. Rad51C binds single- and double-stranded DNA and preferentially binds 3'-end-tailed double-stranded DNA. Rad51C is expressed in a variety of tissues, with highest expression in testis, heart muscle, spleen and prostate.

### Product:

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

### Molecular Weight:

~ 50 kDa

### Swiss-Prot:

O43502

### 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

IF: 1:50~1:200

### Storage&Stability:

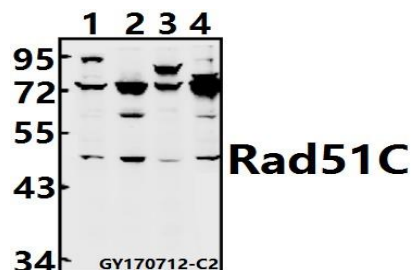
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Rad51C (E185) polyclonal antibody detects endogenous

levels of Rad51C protein.

### DATA:



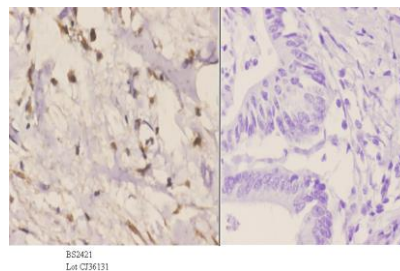
Western blot (WB) analysis of Rad51C (E185) pAb at 1:500 dilution

Lane1:H9C2 whole cell lysate(40ug)

Lane2:The Testis tissue lysate of Mouse(40ug)

Lane3:MCF-7 whole cell lysate(40ug)

Lane4:Hela whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Rad51C (E185) pAb in paraffin-embedded human colon carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead 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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