

## Rad52 (phospho-Y104) polyclonal antibody

Catalog: BS4869

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

DNA double-strand breaks are generated by ionizing radiation and endogenously produced radicals, and they often are repaired through the RAD52 homologous recombination pathway. The RAD52 family includes RAD51, RAD52, RAD54, RAD54B and MRE11 genes. Rad51 and Rad52 proteins perform the key steps in homologous recombination (HR), including the search for DNA homology and strand exchange, through similar mechanisms. Mre11 functions in both non-homologous end joining, and meiotic HR, and it is essential in mitosis for chromosome maintenance. Rad54 belongs to the SWI2/SNF2 subfamily of ATPases, which includes the DNA helicases involved in replication, recombination, and repair, as it contains seven amino acid sequence motifs that are largely conserved.

### Product:

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

### Molecular Weight:

~ 46 kDa

### Swiss-Prot:

P43351

### 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

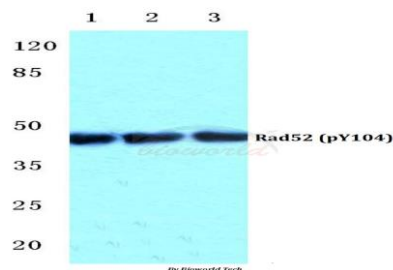
### Storage&Stability:

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

### Specificity:

p-Rad52 (Y104) polyclonal antibody detects endogenous levels of Rad52 protein when phosphorylated at Tyr104.

### DATA:



Western blot (WB) analysis of p-Rad52 (Y104) polyclonal antibody at 1:500 dilution

Lane1:HepG2 cell lysate

Lane2:Mouse spleen tissue lysate

Lane3:Rat spleen tissue lysate

### Note:

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

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