www.biossusa.com
support@biossusa.com
800.501.7654 [DOMESTIC]
+1.781.569.5821 [INTERNATIONAL]

bs-8525R-A647

- ## Rabbit Anti-DNA Polymerase beta Polyclonal Antibody, Alexa Fluor 647 conjugated

Conjugated Primary Antibodies

Background:
DNA replication, recombination and repair, all of which are necessary for genomic stability, require the presence of exonucleases (1). In DNA replication, these enzymes are involved in the processing of Okazaki fragments, whereas in DNA repair, they function to excise damaged DNA fragments and correct recombinational mismatches (2). These exonucleases include the family of DNA polymerases (3). DNA pol α, β, ∂, and e are involved in DNA replication and repair (4). DNA pol ∂ and DNA pol e are multisubunit enzymes, with DNA pol ∂ consisting of two subunits p125, which interacts with the sliding DNA clamp protein PCNA, and p50 (5). The nuclear-encoded DNA pol © is the only DNA polymerase required for the replication of the mitochondrial DNA (6). DNA pol Ω is ubiquitously expressed in various tissues and mediates the cellular mechanism of damage-induced mutagenesis (7). DNA pol œ is a DNA polymerase-helicase that binds ATP and is involved in the repair of interstrand crosslinks (8).

Purification: Was purified by Protein A and peptide affinity chromatography.

Storage:
Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year. Protect from light.

Reconstitution:
If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

For full size images and description please click HERE.

Size: 100ul or 100ug lyophilized

Concentration: 1ug/uL

Host: Rabbit

Reactivities:
Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,

Application:

- IF(1:50-200)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

Antibody Type: Polyclonal

Isotype: IgG

Molecular Weight: 37kDa

Preservatives:
10ug/uL BSA and 0.1% NaN3.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.

© 2012 Bioss, Inc.