bs-13021R **[Primary Antibody]**

DNA polymerase mu Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 27434 **SWISS:** Q9NP87.1

Target: DNA polymerase mu

Immunogen: KLH conjugated synthetic peptide derived from human DNA polymerase mu: 261-360/494.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: DNA polymerase mu shares a number of characteristics with DNA polymerase Beta as well as with terminal deoxynucleotideyltransferase. Pol mu purportedly plays a role in microhomology mediated joining and the repair of double-stranded breaks. However, unlike other DNA polymerases, which show substrate specificity for deoxynucleotides, DNA Pol mu incorporates both deoxynucleotides and ribonucleotides in a template- directed manner. This unusual capability implies a novel role for this polymerase in DNA repair.

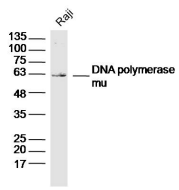
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat, Horse)

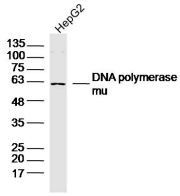
Predicted MW.: 55 kDa

Subcellular Location: Nucleus

VALIDATION IMAGES



Sample: Raji Cell(Human)Lysate at 30 ug Primary: Anti-DNA polymerase mu (bs-13021R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55kD Observed band size: 60kD



Sample:HepG2 Cell (Human) Lysate at 30 ug Primary: Anti-DNA polymerase mu (bs-13021R)at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 55kD Observed band size: 60kD

SELECTED CITATIONS

- **[IF=4.368]** Deng et al. DNA Damage Signaling Is Required for Replication of Human Bocavirus 1 DNA in Dividing HEK293 Cells. (2017) J.Virol.Dec 16;91(1). WB,ICC ;. 27733644