

Anti-DNA pol  $\beta$  Rabbit pAb

WL03173

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-DNA pol $\beta$ Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	WB	1:1000-1:2000
<b>Pack size</b>	50/100/200/500/1000 $\mu$ l	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

**Background**

The DNA pol  $\beta$  is a DNA polymerase involved in base excision and repair, also called gap-filling DNA synthesis. DNA pol  $\beta$  comprises an amino-terminal 8-kDa domain and a carboxy-terminal 31-kDa domain. The protein, acting as a monomer, is normally found in the cytoplasm, but it translocates to the nucleus upon DNA damage. Mammalian DNA pol  $\beta$ , a DNA repair polymerase, is constitutively expressed in cultured cells, but treatment of cells with the DNA-alkylating agents such as N-methyl-N'-nitro-N-nitrosoguanidine (MNNG) or methyl methanesulfonate up-regulates beta-pol level.

**Immunogen**

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of DNA pol  $\beta$ .

**Purification**

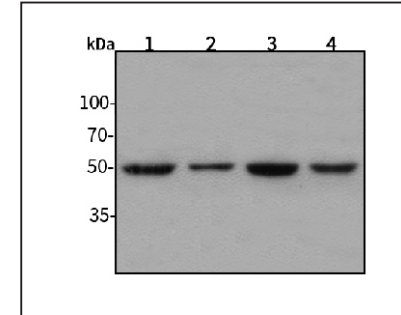
Polyclonal antibody was purified by Protein A affinity chromatography.

Anti-DNA pol  $\beta$  Rabbit pAb

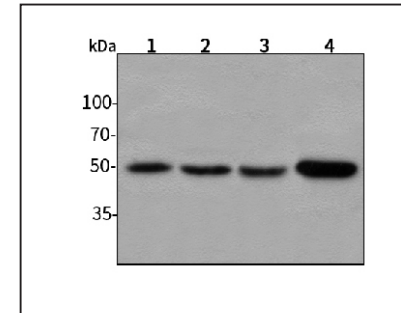
WL03173

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Images

Western blot-Anti-DNA pol  $\beta$  pAb

Lane 1: Human HepG2 cell lysate  
 Lane 2: Human HeLa cell lysate  
 Lane 3: Human BGC-823 cell lysate  
 Lane 4: Human MGC-803 cell lysate  
 All lanes: Anti-DNA pol  $\beta$  at 1:1000 dilution  
 Lysates/proteins at 20-50  $\mu$ g per lane.  
 Predicted band size: 39 kDa  
 Observed band size: 50 kDa

Western blot-Anti-DNA pol  $\beta$  pAb

Lane 1: Mouse heart tissue lysate  
 Lane 2: Mouse brain tissue lysate  
 Lane 3: Rat lung tissue lysate 3  
 Lane 4: Rat stomach tissue lysate  
 All lanes: Anti-DNA pol  $\beta$  at 1:1000 dilution  
 Lysates/proteins at 20-50  $\mu$ g per lane.  
 Predicted band size: 39 kDa  
 Observed band size: 50 kDa