

## DNA pol beta (Acetyl Lys72) Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP02275
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human DNA pol $\beta$ (Acetyl Lys72)
<b>Mol wt</b>	36850
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	DNA pol beta
<b>Synonyms</b>	DNA pol $\beta$ ;Acetyl Lys72; DNA polymerase beta; EC 2.7.7.7; EC 4.2.99.-

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Catalytic activity:Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1).|cofactor: Binds 2 magnesium ions per subunit.|Residues 239-252 form a flexible loop which appears to affect the polymerase fidelity.|Repair polymerase. Conducts "gap-filling" DNA synthesis in a stepwise distributive fashion rather than in a processive fashion as for other DNA polymerases. Has a 5'-deoxyribose-5-phosphate lyase (DRP lyase) activity.|PTM: Methylation by PRMT6 stimulates the polymerase activity by enhancing DNA binding and processivity.|Belongs to the DNA polymerase type-X family.|subunit: Monomer.|

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year

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