

DNA pol beta (Acetyl Lys72) Rabbit Polyclonal Antibody

Description

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