



DNA pol β (Acetyl Lys72) rabbit pAb

Catalog No	YP-Ab-00919
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB; ELISA
Gene Name	POLB
Protein Name	DNA pol β (Acetyl Lys72)
Immunogen	Synthesized peptide derived from human DNA pol β (Acetyl Lys72)
Specificity	This antibody detects endogenous levels of Human,Mouse,Rat DNA pol β (Acetyl Lys72)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C/1 year
Synonyms	DNA polymerase beta (EC 2.7.7.7;EC 4.2.99.-)
Observed Band	38kD
Cell Pathway	Nucleus. Cytoplasm. Cytoplasmic in normal conditions. Translocates to the nucleus following DNA damage.
Tissue Specificity	
Function	DNA metabolic process, DNA replication, DNA-dependent DNA replication, DNA repair, base-excision repair, pyrimidine dimer repair, anti-apoptosis, response to DNA damage stimulus, cell death, regulation of cell death, death, cellular response to stress, regulation of apoptosis, negative regulation of apoptosis, regulation of programmed cell death,negative regulation of programmed cell death, negative regulation of cell death,
Background	catalytic activity:Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1).,cofactor: Binds 2 magnesium ions per subunit.,domain:Residues 239-252 form a flexible loop which appears to affect the polymerase fidelity.,function: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.,similarity:Belongs to the DNA polymerase type-X family.,subunit:Monomer.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images