antibodies .- online.com







POLB Protein (His tag)



Overview

Quantity:	50 μg
Target:	POLB
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This POLB protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human DNA Polymerase β/POLB Protein (His Tag)
Sequence:	Ser2-Glu335
Characteristics:	Recombinant Human DNA Polymerase beta is produced by our E.coli expression system and the target gene encoding Ser2-Glu335 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	POLB
Alternative Name:	DNA Polymerase beta/POLB (POLB Products)
Background:	Background: Human DNA polymerase β is constitutively expressed in cells. It fills in gaps in DNA that are formed following base excision repair. Repair polymerase that plays a key role in
	base-excision repair. Has 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity that removes

Target Details

the 5' sugar phosphate and also acts as a DNA polymerase that adds one nucleotide to the 3'	
end of the arising single-nucleotide gap. It conducts 'gap-filling' DNA synthesis in a stepwise	
distributive fashion rather than in a processive fashion as for other DNA polymerases. The	
activity cannot be affected by Aphidicolin, which is an inhibitor of DNA polymerase $\boldsymbol{\beta}.$	
Synonym: DNA Polymerase Beta, POLB	

Molecular Weight:	39.2 kDa
UniProt:	P06746

DNA Damage Repair

Application Details

|--|--|

Handling

Pathways:

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 μ m filtered solution of 20 mM TrisHCl, 100 mM NaCl, 1 mM DTT, 1 mM EDTA, 50 % Glycerol, pH 7.8.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.