



Anti-POLB (aa 224-333) polyclonal antibody (DPAB-DC2310)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a DNA polymerase involved in base excision and repair, also called gap-filling DNA synthesis. The encoded protein, acting as a monomer, is normally found in the cytoplasm, but it translocates to the nucleus upon DNA damage. Several transcript variants of this gene exist, but the full-length nature of only one has been described to date.
Immunogen	POLB (AAI06910.1, 224 a.a. ~ 333 a.a) partial recombinant protein with GST tag. The sequence is ITDTLSKGETKFMGVCQLPSKNDEKEYPHRRIDIRLIPKDQYYCGVLYFTGSDIFNKNMR AHALEKGFTINEYTIRPLGVTGVAGEPLPVDSEKDIFDYIQWKYREPKDR
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [POLB polymerase \(DNA directed\), beta \[Homo sapiens \(human\) \]](#)

Official Symbol	POLB
Synonyms	POLB; polymerase (DNA directed), beta; DNA polymerase beta; DNA pol beta; mutant DNA polymerase beta; DNA polymerase beta subunit;
Entrez Gene ID	5423
Protein Refseq	NP_002681
UniProt ID	P06746
Chromosome Location	8p11.2
Pathway	BER complex; Base Excision Repair; Base excision repair; DNA Repair
Function	DNA-directed DNA polymerase activity; damaged DNA binding; enzyme binding; lyase activity