



Human POLB blocking peptide (DAG-P1539)

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. [provided by RefSeq, Sep 2011]
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the DNA polymerase type-X family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

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
mRNA Refseq	NM_002690.2

Protein Refseq	NP_002681.1
UniProt ID	P06746
Chromosome Location	8p11.2
Pathway	BER complex, organism-specific biosystem; BER complex, conserved biosystem; Base Excision Repair, organism-specific biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Base-free sugar-phosphate removal via the single-nucleotide replacement pathway, organism-specific biosystem; DNA Repair, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Nucleotide Metabolism, organism-specific b
Function	DNA-directed DNA polymerase activity; damaged DNA binding; enzyme binding; lyase activity; metal ion binding; microtubule binding; protein binding;