

Recombinant Human POLB cell lysate

Cat. No. POLB-1388HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	In eukaryotic cells, DNA polymerase beta (POLB) performs base excision repair (BER) required for DNA maintenance, replication, recombination, and drug resistance. Also see POLA (MIM 312040).
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	POLB polymerase (DNA directed), beta [Homo sapiens]
Official Symbol	POLB
Synonyms	POLB; polymerase (DNA directed), beta; DNA polymerase beta; DNA pol beta; DNA polymerase beta subunit; MGC125976;
Gene ID	5423

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_002690
Protein Refseq	NP_002681
MIM	174760
UniProt ID	P06746
Chromosome Location	8p12-p11
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;
Function	DNA-directed DNA polymerase activity; damaged DNA binding; enzyme binding; lyase activity; metal ion binding; microtubule binding; nucleotidyltransferase activity; protein binding; transferase activity;

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