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POLB Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02497

Basic Information

Catalog No.
RM02497

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

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]

Gene Information

Gene Symbol
POLB

Species
Human

Gene ID
5423

Swiss Prot
P06746

Product Information

Description
POLB Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:13bp deletion in exon2
Allele-2:36bp deletion in exon1 and exon2 was deleted
Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles. Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins. Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

Packaging
1 vial parental cell Lysate and 1 vial knockout cell Lysate

Shipping Conditions
4℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

Protocol
To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

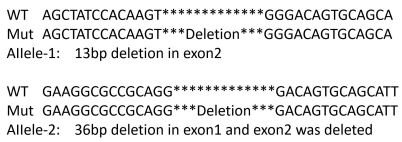
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Sequencing data



Genome sequence analysis of PCR products from parental (WT) and POLB Knockout (KO) 293T cells, using sanger sequencing.