

PDPK1 Knockout HCT116 Cell Lysate, Homozygous

Catalog No.: RM02071

Basic Information

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Category

Cell Lysate

Parental Cell line

HCT116

Genotype

Knockout

Gene Information

Gene Symbol

PDPK1

Species

Human

Gene ID

5170

Swiss Prot

O15530

Synonyms

PDK1; PDPK2; PDPK2P; PRO0461

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Background

Product Information

Description

PDPK1 Knockout HCT116 Cell Line is engineered from HCT116 cell line with Gene-Editing technology.

Allele-1:exon1 was deleted

Allele-2:exon1 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°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

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.

Sequencing data

WT CTGGGGCTCCGCTT*****GCCGGGTCCGGCGG
Mut CTGGGGCTCCGCTT***Deletion***GCCGGGTCCGGCGG
Allele-1: exon1 was deleted
WT CTGGGGCTCCGCTT*****GCCGGGTCCGGCGG
Mut CTGGGGCTCCGCTT***Deletion***GCCGGGTCCGGCGG
Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and PDPK1 knockout (KO) HCT116 cells, using sanger sequencing.