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PDPK1 Knockout HCT116 Cell Lysate, Homozygous

Catalog No.: RM02071

Basic Information

Catalog No.
RM02071

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℃

Amount
50μL, 2μg/μL.

Storage
Lysate is stable for 12 months when stored at -20℃. 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
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Genome sequence analysis of PCR products from parental (WT) and PDPK1 knockout (KO) HCT116 cells, using sanger sequencing.