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TLK2 Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02334

Basic Information

Catalog No.
RM02334

Category
Cell Lysate

Parental Cell line
NIH/3T3

Genotype
Knockout

Gene Information

Gene Symbol
TLK2

Species
Mouse

Gene ID
24086

Synonyms
4933403M19Rik; PKU-alpha; PKUalpha; Tlk

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Background

Product Information

Description
TLK2 Knockout NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.
Allele-1:exon4 was deleted
Allele-2:exon4 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.

Sequencing data

```
WT    GATGACAGCGTTGT**********ATTGGGGGTTAAAA
Mut   GATGACAGCGTTGT***Deletion***ATTGGGGGTTAAAA
Allele-1:    exon4 was deleted

WT    GTAAAAGGTGACCA**********ACTAATGTTGGCCA
Mut   GTAAAAGGTGACCA***Deletion***ACTAATGTTGGCCA
Allele-2:    exon4 was deleted
```

Genome sequence analysis of PCR products from parental (WT) and TLK2 knockout (KO) NIH3T3 cells, using sanger sequencing.

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