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SIK2 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM50142

Basic Information

Catalog No.
RM50142

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Gene Information

Gene Symbol
SIK2

Species
Human

Gene ID
23235

Swiss Prot
Q9H0K1

Synonyms
QIK; SIK-2; SNF1LK2; LOH11CR1I; SIK2

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Background

Enables ATP binding activity; magnesium ion binding activity; and protein serine/threonine kinase activity. Involved in intracellular signal transduction and protein autophosphorylation. Predicted to be located in nucleus. Predicted to be active in cytoplasm.

Product Information

Description
SIK2 Knockdown cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:70bp deletion in exon2
Allele-2:3bp deletion in exon2
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

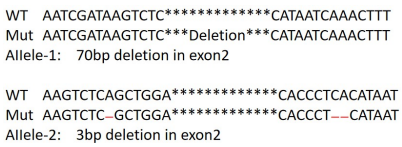
Shipping Conditions
4℃

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



Genome sequence analysis of PCR products from parental (WT) and SIK2 knockdown (KD) HeLa cells, using sanger sequencing.