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FOXO3 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02318

Basic Information

Catalog No.
RM02318

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
FOXO3

Species
Human

Gene ID
2309

Swiss Prot
O43524

Synonyms
AF6q21; FKHRL1; FKHRL1P2; FOXO2; FOXO3A

Product Information

Description
FOXO3 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:1bp deletion in exon1
Allele-2:32bp deletion in exon1
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.

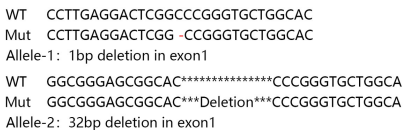
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Sequencing data



Genome sequence analysis of PCR products from parental (WT) and FOXO3 Knockout (KO) 293T cells, using sanger sequencing.

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