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FOXO1 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM02050

Basic Information

Catalog No.
RM02050

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Background

This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
FOXO1

Species
Human

Gene ID
2308

Swiss Prot
Q12778

Synonyms
FKH1; FKHR; FOXO1A

Product Information

Description
FOXO1 Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:1bp deletion in exon1
Allele-2:12bp 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
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.

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Sequencing data

Genome sequence analysis of PCR products from parental (WT) and FOXO1 Knockdown (KD) HeLa cells, using sanger sequencing.