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AKT1S1 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM02045

Basic Information

Catalog No.
RM02045

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Gene Information

Gene Symbol
AKT1S1

Species
Human

Gene ID
84335

Swiss Prot
Q96B36

Synonyms
Lobe; PRAS40

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Background

AKT1S1 is a proline-rich substrate of AKT (MIM 164730) that binds 14-3-3 protein (see YWHAH, MIM 113508) when phosphorylated (Kovacina et al., 2003 [PubMed 12524439]).[supplied by OMIM, Mar 2008]

Product Information

Description
AKT1S1 Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:47bp deletion in exon2
Allele-2:48bp 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

WT CTATGCTGCCCATG**********GCACTGGCCCACAG
Mut CTATGCTGCCCATG***Deletion***GCACTGGCCCACAG
Allele-1: 47bp deletion in exon2

WT CTATGCTGCCCATG**********CACTGGCCCACAGG
Mut CTATGCTGCCCATG***Deletion***CACTGGCCCACAGG
Allele-2: 48bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and AKT1S1 Knockdown (KD) HeLa cells, using sanger sequencing.