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SAV1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02063

Basic Information

Catalog No.
RM02063

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
SAV1

Species
Human

Gene ID
60485

Swiss Prot
Q9H4B6

Synonyms
SAV; WW45; WWP4

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Background

WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This gene encodes a protein with two WW domains, a SARAH domain, and a coiled-coil region and is ubiquitously expressed in adult tissues. This protein binds to MST1 (mammalian sterile 20-like kinase 1) and promotes MST1-induced apoptosis. It has also been shown to bind to HAX1 (hematopoietic cell-specific protein 1 (HS1)-associated protein X-1) and to attenuate the anti-apoptotic effects of HAX1. Studies in human and mouse suggest this gene acts as a tumor suppressor. [provided by RefSeq, Aug 2012]

Product Information

Description
SAV1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:exon1 was deleted
Allele-2:exon1 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    CCCGGCGCGGAGCC**************TCGCGTGAAATACT
Mut   CCCGGCGCGGAGCC***Deletion***TCGCGTGAAATACT
Allele-1: exon1 was deleted

WT    CCCGGCGCGGAGCC**************TCGCGTGAAATACT
Mut   CCCGGCGCGGAGCC***Deletion***TCGCGTGAAATACT
Allele-2: exon1 was deleted
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Genome sequence analysis of PCR products from parental (WT) and SAV1 knockout (KO) HeLa cells, using sanger sequencing.