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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

## **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, Auq 2012]

## **Gene Information**

## Gene Symbol

SAV1

#### **Species**

Human

## Gene ID

60485

## **Swiss Prot**

Q9H4B6

#### **Synonyms**

SAV; WW45; WWP4

#### **Contact**

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## **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**

 ${\bf 1}$  vial parental cell Lysate and  ${\bf 1}$  vial knockout cell Lysate

Shipping Conditions
4°C
Amount
50μL, 2μg/μL.

#### Storage

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

#### Protocol

To be used as WB control. Lysate is supplied in  $1\times$  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

Allele-1: exon1 was deleted

WT CCCGGCGCGGAGCC\*TCGCGTGAAATACT
Mut CCCGGCGCGGAGCC\*\*\*Deletion\*\*\*TCGCGTGAAATACT

Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and SAV1 knockout (KO) HeLa cells, using sanger sequencing.