Human AGPS Knockdown Cell Line (WB-Validated)

Catalog #: C61813

Aliases

AGPS; Alkylglycerone Phosphate Synthase; ALDHPSY; ADHAPS; ADAP-S; ADAS; ADPS; Alkyldihydroxyacetonephosphate Synthase, Peroxisomal; Aging-Associated Gene 5 Protein; Alkyl-DHAP Synthase; EC 2.5.1.26; Alkylglycerone-Phosphate Synthase; Aging-Associated Protein 5; RCDP3

Background

Gene Name: AGPS
NCBI Gene Entry: 8540

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human AGPS Knockdown Cell Line (Wb-Validated)
2. Wild-type cell line

Parental Cell Line

Human cell line supplied by the client

Validation Methods

RT-qPCR, Western blotting (WB)

Shipping

Shipped on Dry Ice.

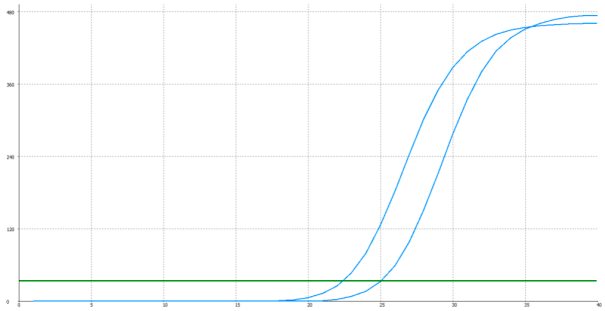
Instructions For Use

This knockdown cell line should be paired with wild-type cell line for use.

Note: This product is for research use only.

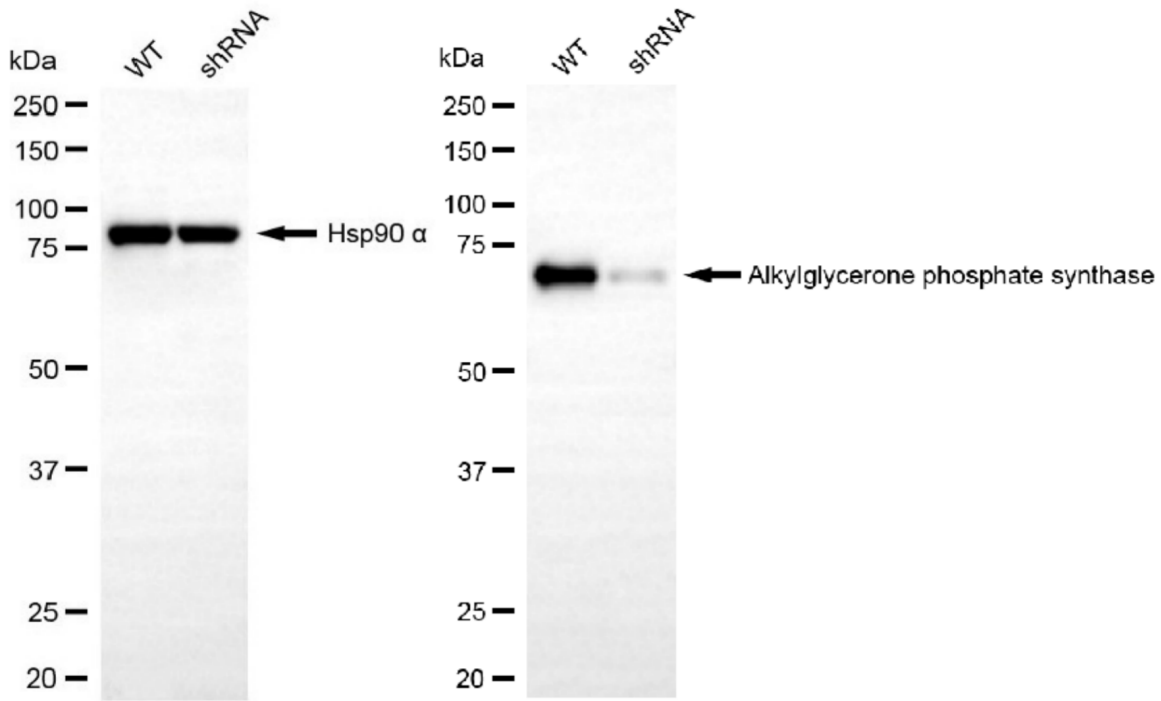
Validation Data

Human AGPS Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	22.34
Knock-Down	25.04
ΔCt (Ct_{KD}-Ct_{WT})	2.70
% mRNA Reduction	⬇ 85%

RT-qPCR analysis. HepG2 cells were infected with AGPS-specific shRNA lentiviral particles, total RNA was extracted from wild-type and knockdown cells, RT-qPCR was performed using gene-specific primers. ΔCt (CtKD-CtWT) was used to calculate mRNA reduction (%) between wild-type and knockdown cells using the following formula: (1-1/2ΔCt) x 100%.



Western blotting analysis.AGPS protein expression in wild-type (WT) and shRNA knockdown (KD) HepG2 cells was detected using Western blotting. Hsp90 α served as a loading control. The blots were incubated with primary antibodies against AGPS and Hsp90 α, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using NaQ™ ECL Substrate Kit.