Human SCARB1 Knockdown Cell Line (WB-Validated)

Catalog #: C62558

Aliases

SCARB1; Scavenger Receptor Class B Member 1; CLA-1; SR-BI; SRB1; CLA1; CD36L1; CD36 Antigen (Collagen Type I Receptor, Thrombospondin Receptor)-Like 1; CD36 And LIMPII Analogous 1; Collagen Type I Receptor, Thrombospondin Receptor-Like 1; Scavenger Receptor Class B, Member 1; Scavenger Receptor Class B Type III; CD36 Antigen-Like 1; CD36 Antigen; HDLQTL6; HDLCQ6

Background

Gene Name: SCARB1
NCBI Gene Entry: 949

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human SCARB1 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.

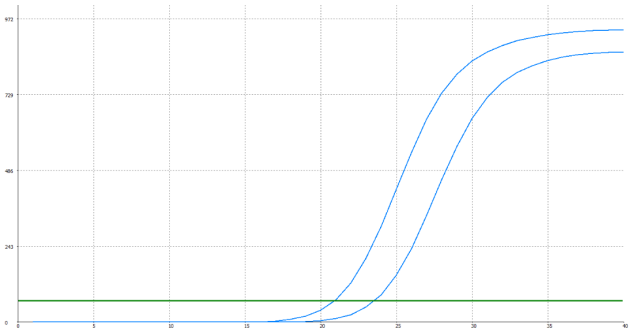
Instructions For Use

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

Note: This product is for research use only.

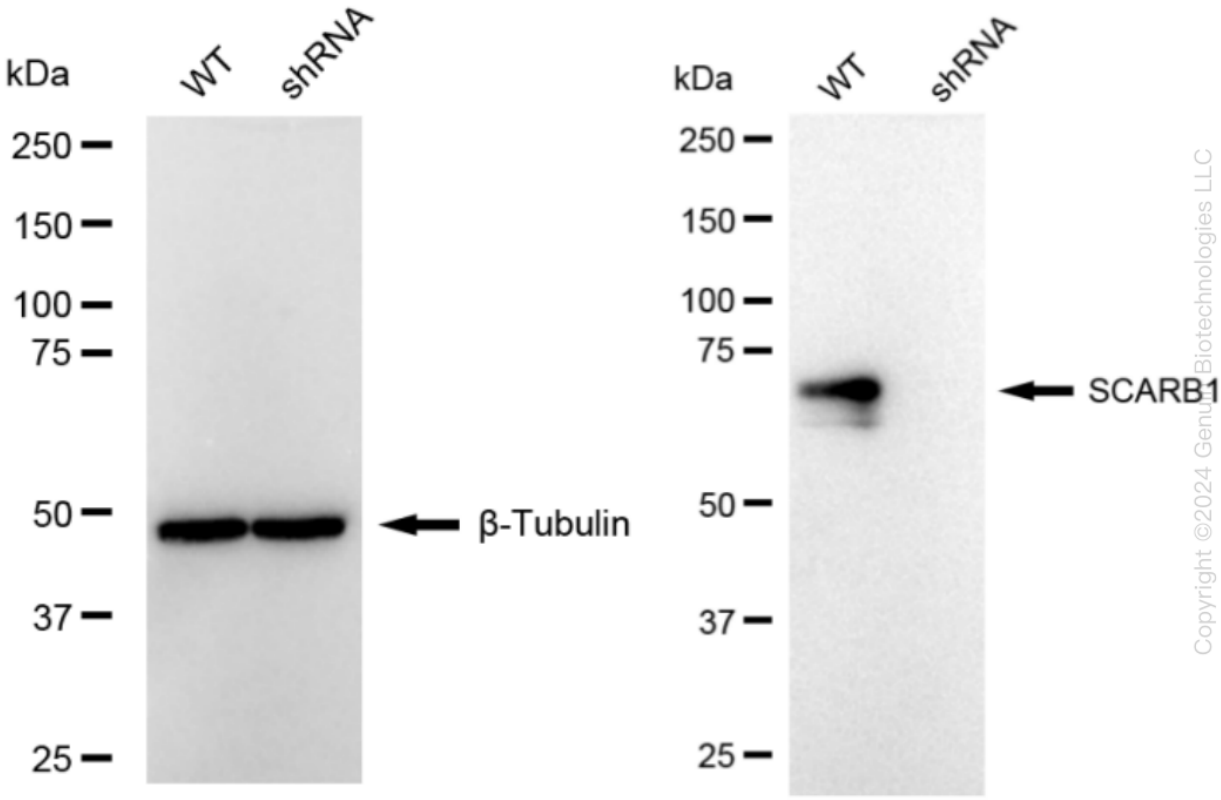
Validation Data

Human SCARB1 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	20.86
Knock-Down	23.34
ΔCt (Ct_{KD}-Ct_{WT})	2.48
% mRNA Reduction	⬇ 82%

RT-qPCR analysis. HeLa cells were infected with SCARB1-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. SCARB1 protein expression in wild-type (WT) and shRNA knockdown (KD) HeLa cells was detected using Western blotting. β-Tubulin served as a loading control. The blots were incubated with primary antibodies against SCARB1 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.