Human SCARB2 Knockdown Cell Line (WB-Validated)

Catalog #: C62586

Aliases

Scavenger Receptor Class B Member 2; LIMPII; Lysosome Membrane Protein 2; HLGP85; SR-BII; LIMP-2; CD36L2; CD36 Antigen (Collagen Type I Receptor, Thrombospondin Receptor)-Like 2 (Lysosomal Integral Membrane Protein II); 85 KDa Lysosomal Membrane Sialoglycoprotein; Lysosome Membrane Protein II; CD36 Antigen-Like 2; LIMP II; LGP85; 85 KDa Lysosomal Sialoglycoprotein Scavenger Receptor Class B, Member 2;Lysosomal Integral Membrane Protein II; CD36 Antigen; LIMP2; AMRF; EPM4

Background

Gene Name: SCARB2
NCBI Gene Entry: 950

Storage

Store at liquid nitrogen for 1 year.

Kit Components

1. Human SCARB2 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.

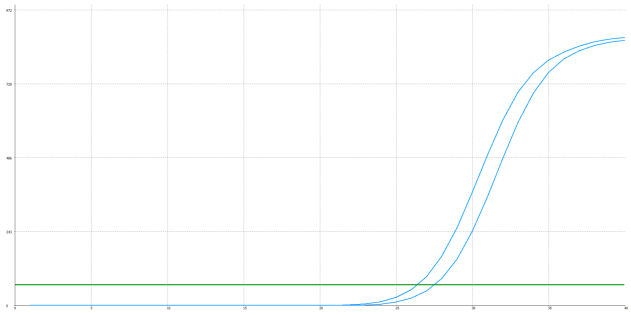
Instructions For Use

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

Note: This product is for research use only.

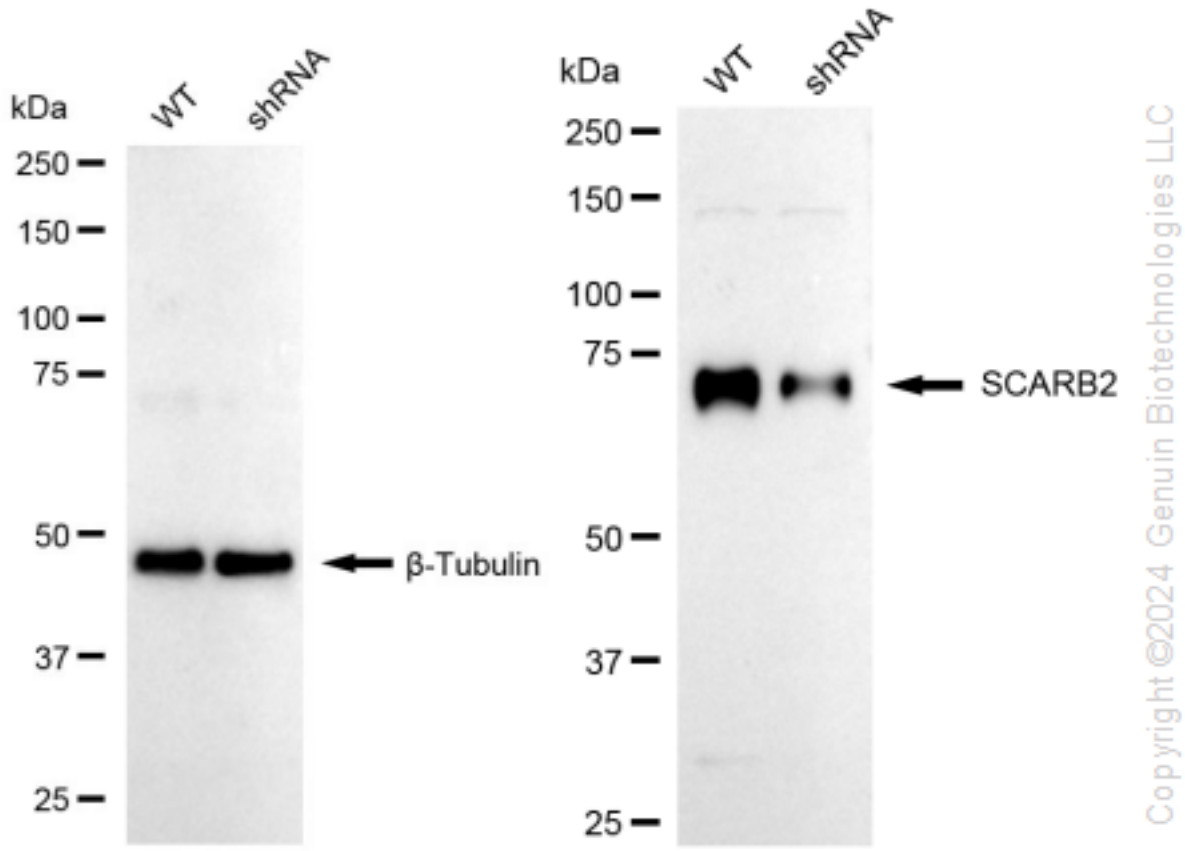
Validation Data

Human SCARB2 Knockdown Cell Line (WB-Validated)



Genotype	Ct Value
Wild-Type	26.26
Knock-Down	27.35
ΔCt (Ct_{KD}-Ct_{WT})	1.09
% mRNA Reduction	⬇ 53%

RT-qPCR analysis. HeLa cells were infected with SCARB2-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. SCARB2 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 SCARB2 and β-Tubulin, respectively, followed by incubating with HRP-conjugated goat anti-rabbit secondary antibody. Images were developed using FeQ™ ECL Substrate Kit.