

Product datasheet

Human SCAMP1 knockout HeLa cell lysate ab258184

3 Images

Overview

Product name	Human SCAMP1 knockout HeLa cell lysate
Product overview	Knockout cell lysate achieved by CRISPR/Cas9.
Parental Cell Line	HeLa
Organism	Human
Mutation description	Knockout achieved by using CRISPR/Cas9, 1 bp insertion in exon2 and 25 bp deletion in exon2.
Passage number	<20
Knockout validation	Sanger Sequencing
Reconstitution notes	To use as WB control, resuspend the lyophilizate in 50 µL of LDS* Sample Buffer to have a final concentration of 2 mg/ml. For reducing conditions, we recommend a final concentration of 0.1 M DTT.

**Usage of SDS sample buffer is not recommended with these lyophilized lysates.*

Notes

Lysate preparation: Our lysates are made using RIPA buffer to which we add a protease inhibitor cocktail and phosphatase inhibitor cocktail (ratio: 300:100:10). *This means that the protein of interest is denatured.* If you require a native form of the protein please use the live cell version - found [here](#). Please refer to our lysis protocol for further details on how our lysates are prepared.

User storage instructions: Lyophilizate may be stored at 4°C. After reconstitution, store at -20°C for short-term storage or -80°C for long-term storage.

Access thousands of knockout cell lysates, generated from commonly used cancer cell lines.

[See here for more information on knockout cell lysates.](#)

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Tested applications

Suitable for: WB

Properties

Storage instructions Store at -80°C. Please refer to protocols.

Components	1 kit
ab262336 - Human SCAMP1 knockout HeLa cell lysate	1 x 100µg
ab255929 - Human wild-type HeLa cell lysate	1 x 100µg

Cell type epithelial

Disease Adenocarcinoma

Gender Female

STR Analysis Amelogenin X D5S818: 11, 12 D13S317: 12, 13.3 D7S820: 8, 12 D16S539: 9, 10 vWA: 16, 18 TH01: 7 TPOX: 8,12 CSF1PO: 9, 10

Target

Function Functions in post-Golgi recycling pathways. Acts as a recycling carrier to the cell surface.

Tissue specificity Widely expressed, with highest expression in brain.

Sequence similarities Belongs to the SCAMP family.

Cellular localization Golgi apparatus > trans-Golgi network membrane. Recycling endosome membrane.

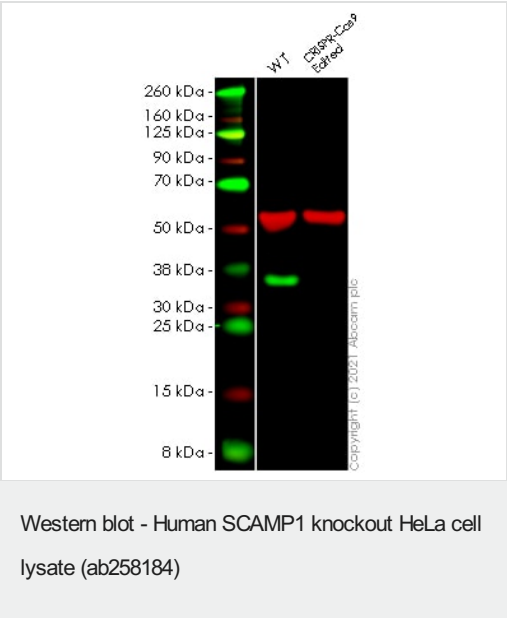
Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab258184 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Predicted molecular weight: 38 kDa.

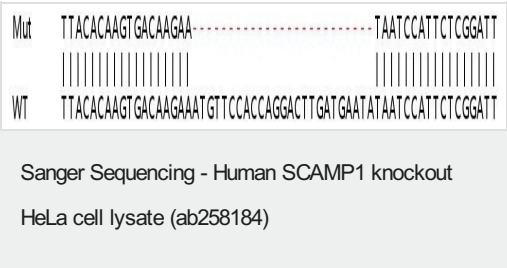
Images



Lane 1: Wild-type HeLa cell lysate 20 µg

Lane 2: SCAMP1 knockout HeLa cell lysate 20 µg

Lanes 1 - 2: Merged signal (red and green). Green - Anti-SCAMP1 antibody observed at 36 kDa. Red - loading control, [ab52866](#) (Rabbit anti-alpha Tubulin antibody [EP1332Y]) observed at 55 kDa. Anti-SCAMP1 antibody was shown to react with SCAMP1 in wild-type HeLa cells in western blot. The bands observed in SCAMP1 knockout cell line [ab265567](#) (SCAMP1 knockout cell lysate ab258184) below 36 kDa may represent truncated forms and cleaved fragments. This has not been investigated further. HeLa wild-type and SCAMP1 knockout cell lysates were subjected to SDS-PAGE. Membranes were blocked in fluorescent western blot (TBS-based) blocking solution before incubation with anti-SCAMP1 antibody and [ab52866](#) (Rabbit anti-alpha Tubulin antibody [EP1332Y]) overnight at 4°C at 5 µg/ml and a 1 in 20000 dilution respectively. Blots were incubated with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed ([ab216772](#)) and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed ([ab216777](#)) secondary antibodies at 1 in 20000 dilution for 1 h at room temperature before imaging.



Allele-1: 25 bp deletion in exon2

Mut	TTACACAAGTGACAAGAAATGTTCCACCAGGACTTGATGAATATAATCCATTCTCGGAT
WT	TTACACAAGTGACAAGAA ATGTTCCACCAGGACTTGATGAATATAATCCATTCTCGGAT
Sanger Sequencing - Human SCAMP1 knockout	
HeLa cell lysate (ab258184)	

Allele-2: 1 bp insertion in exon2

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