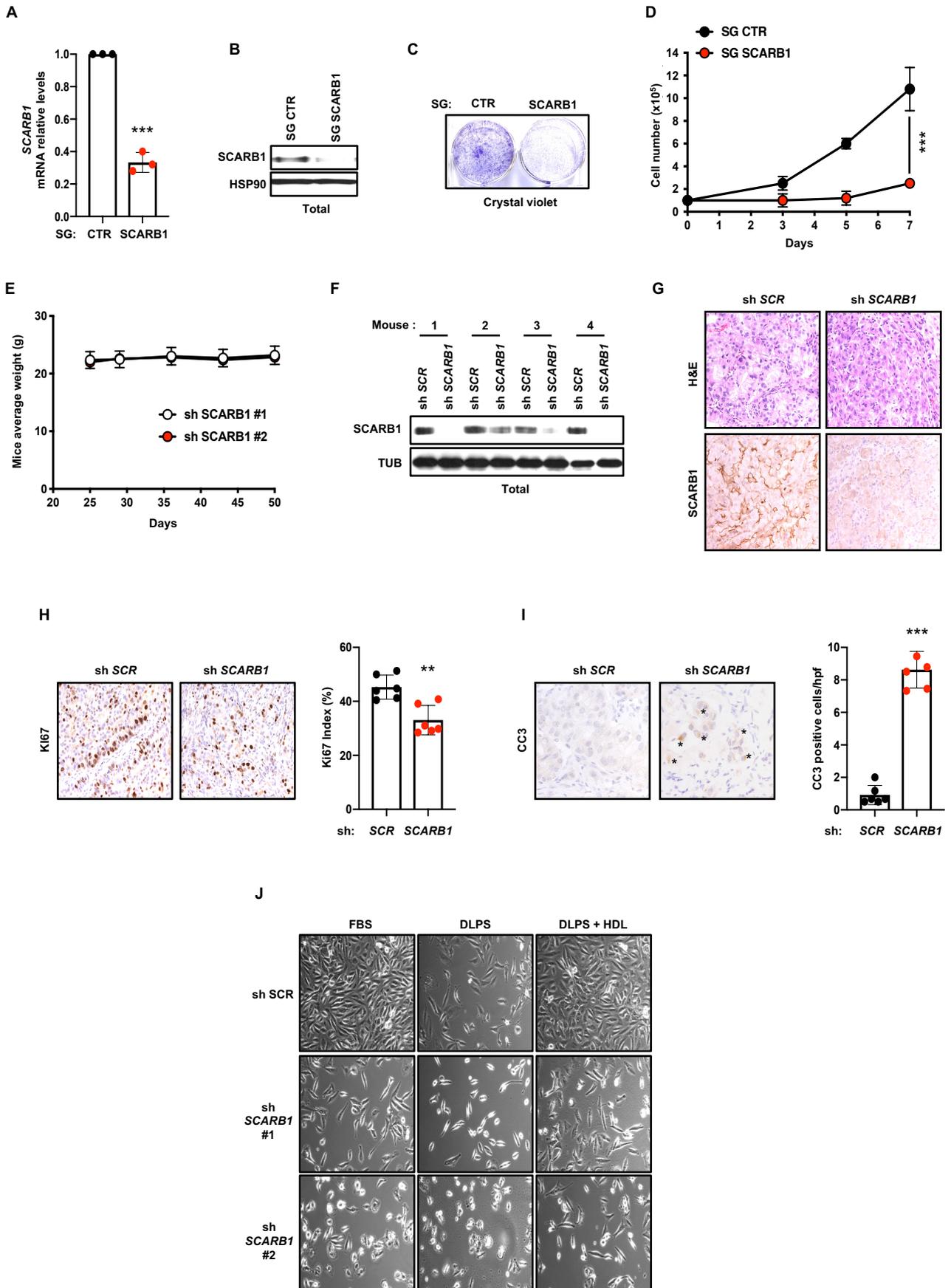


# Supplemental Figure 5



### Supplemental Figure 5.

**A**, Real-time qPCR analysis of *SCARB1* mRNA levels in A498 cells after infection with sgRNA targeting *SCARB1* or Control (CTR) mouse *Rosa26*. **B**, *SCARB1* protein expression assessed by immunoblots in sgCTR and sg*SCARB1* A498 cells. HSP90 was used as the loading control. **C**, Representative photographs of crystal violet stained-6-well plates of sgCTR or sg*SCARB1* A498 cells after 7 days. **D**, Proliferation assay performed on sgCTR and sg*SCARB1* A498 cells grown in media with 10%FBS showing a significant decrease in proliferation when *SCARB1* expression is inhibited. **E**, Body weight average of nude mice subcutaneously implanted with doxycycline-inducible shSCR and sh*SCARB1* A498 cells and fed a diet containing doxycycline (200mg/kg). **F**, *SCARB1* protein expression assessed by immunoblots of tumor lysates from shSCR and sh*SCARB1* A498 tumors grown in nude mice, fed a diet containing doxycycline (200mg/kg), 48 days after implantation. Beta-Tubulin (TUB) was used as the loading control. **G**, Representative photographs of immunohistochemistry analysis (H&E and *SCARB1* staining) performed on shSCR and sh*SCARB1* A498 tumors grown in nude mice, fed a diet containing doxycycline (200mg/kg), 48 days after implantation. Magnification (100X). **H**, Representative photographs of immunohistochemistry analysis (Ki67) performed on shSCR and sh*SCARB1* A498 tumors grown in nude mice, fed a diet containing doxycycline (200mg/kg), 48 days after implantation. Magnification (100X) (left). Quantification of the immunohistochemistry analysis for the proliferative marker, Ki67, showing a decreased proliferation index in tumors where *SCARB1* is inhibited (right). **I**, Representative photographs of immunohistochemistry analysis (cleaved caspase 3, CC3) performed on shSCR and sh*SCARB1* A498 tumors grown in nude mice, fed a diet containing doxycycline (200mg/kg), 48 days after implantation. Magnification (100X). (left). Quantification of the immunohistochemistry analysis for the cell death/apoptotic marker, CC3, showing increased cell death in tumors where *SCARB1* is inhibited (right). **J**, Representative photographs of shSCR and sh*SCARB1* A498 cells grown in media supplemented with 10% FBS, 10% DLPS, or 10% DLPS and HDL (100mg/mL) for 96h. Magnification (x100). (All experiments were performed in at least triplicates and statistical analysis was applied with  $*=P<0.05$ ,  $**=P<0.01$ ,  $***=<0.001$ , n.s=non-significant).