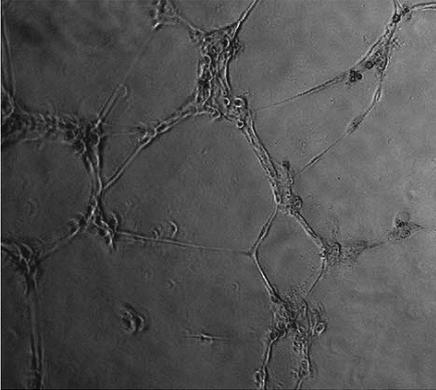
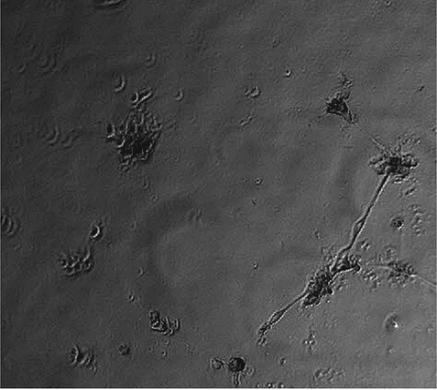


Supplemental Figure 1

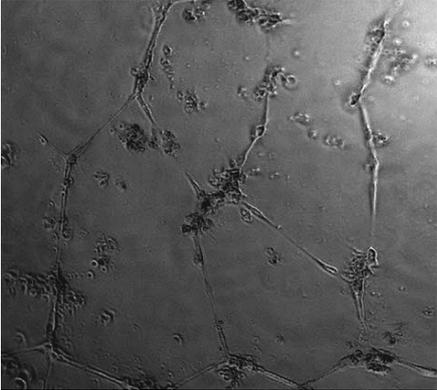
siRNA Control + Ad.βgal



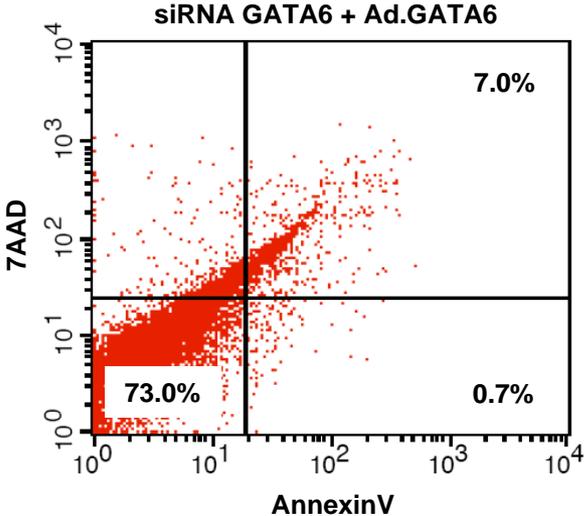
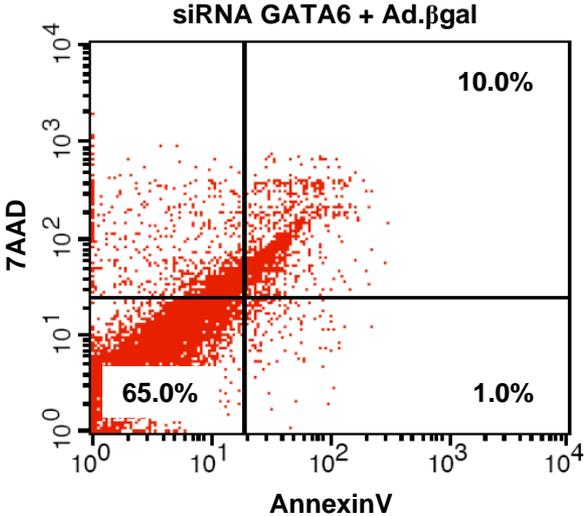
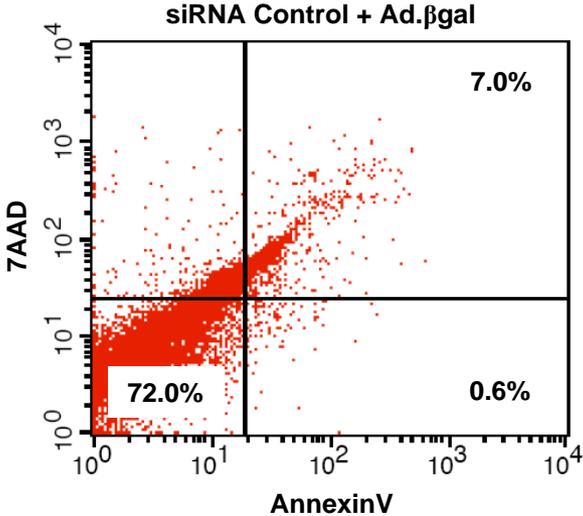
siRNA GATA6 + Ad.βgal



siRNA GATA6 + Ad.GATA6



Supplemental Figure 2



SUPPLEMENTAL FIGURE LEGENDS

Supplemental Figure 1. GATA6 is essential for endothelial vessel-like structure formation.

Representative images of vessel-like structure formation on Matrigel in HUVECs when treated with a control or a GATA6 specific siRNA, and infected with a GATA6 (Ad.GATA6) or β -galactosidase (Ad. β gal, as control) expressing adenoviral vector. Note that reintroduction of GATA6 (by adenoviral vector) into siRNA GATA6 treated cells rescued the ability of endothelial cells to form vessel-like structures. HUVECs were visualized using an Axiovert 200M microscope (Carl Zeiss) with a 5x/ 0.12 lense (Carl Zeiss).

Supplemental Figure 2. GATA6 is essential for endothelial cell survival. Flow cytometric analysis of HUVECs (under growth factor withdrawal) stained with annexin-V and 7AAD, treated with a control or a GATA6 specific siRNA, and infected with a GATA6 (Ad.GATA6) or β -galactosidase (Ad. β gal, as control) expressing adenoviral vector. The numbers in the lower-right quadrant of the plots indicate the number of annexin-V positive cells (early apoptotic cells), whereas in the upper-right quadrant the number of cells staining positive for both annexin-V and 7AAD (late apoptotic/necrotic cells) is indicated. The number in the lower left quadrant indicates the amount of viable cells (negative for both annexin-V and 7AAD). Data from a representative experiment are shown; the experiment was repeated with similar results. Note that reintroduction of GATA6 (by adenoviral vector) into siRNA GATA6 treated cells reduced cell death and increased the amount of viable cells to levels observed in siRNA control/Ad. β gal treated HUVECs.