SUPPLEMENTAL MATERIAL

Figure S1.

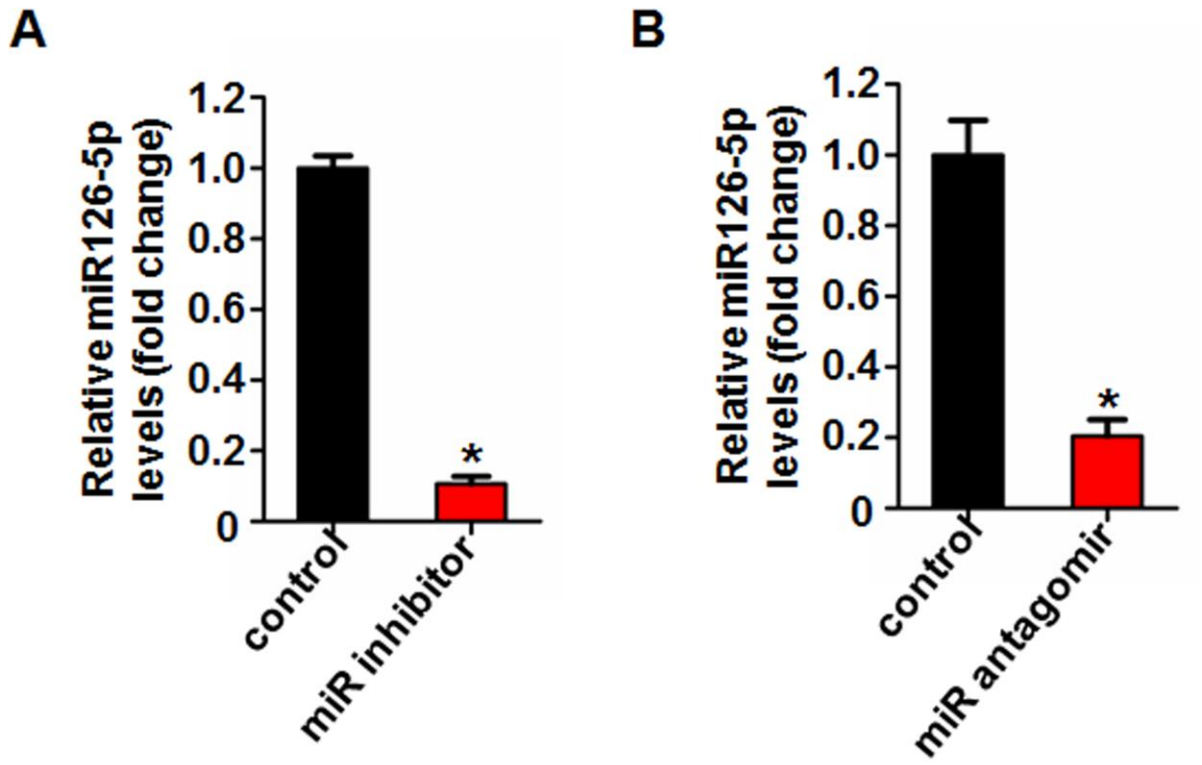

Figure S1. miR126-5p levels after transfection of the miR126-5p inhibitor in vitro and the miR126-5p antagomir in vivo. (*A*) HUVECs were transfected as indicated. At 24 h post transfection, cellular RNAs were isolated for detection of miR126-5p using qRT-PCR. (*B*) The miR126-5p antagomir was applied to the partial ligated carotid artery for 4 weeks, and RNAs were isolated for detection of miR126-5p using qRT-PCR. The data were normalized to that of negative control samples. The data were expressed as the mean ± SEM of three independent experiments. *P < 0.05 vs. control.

Figure S2.

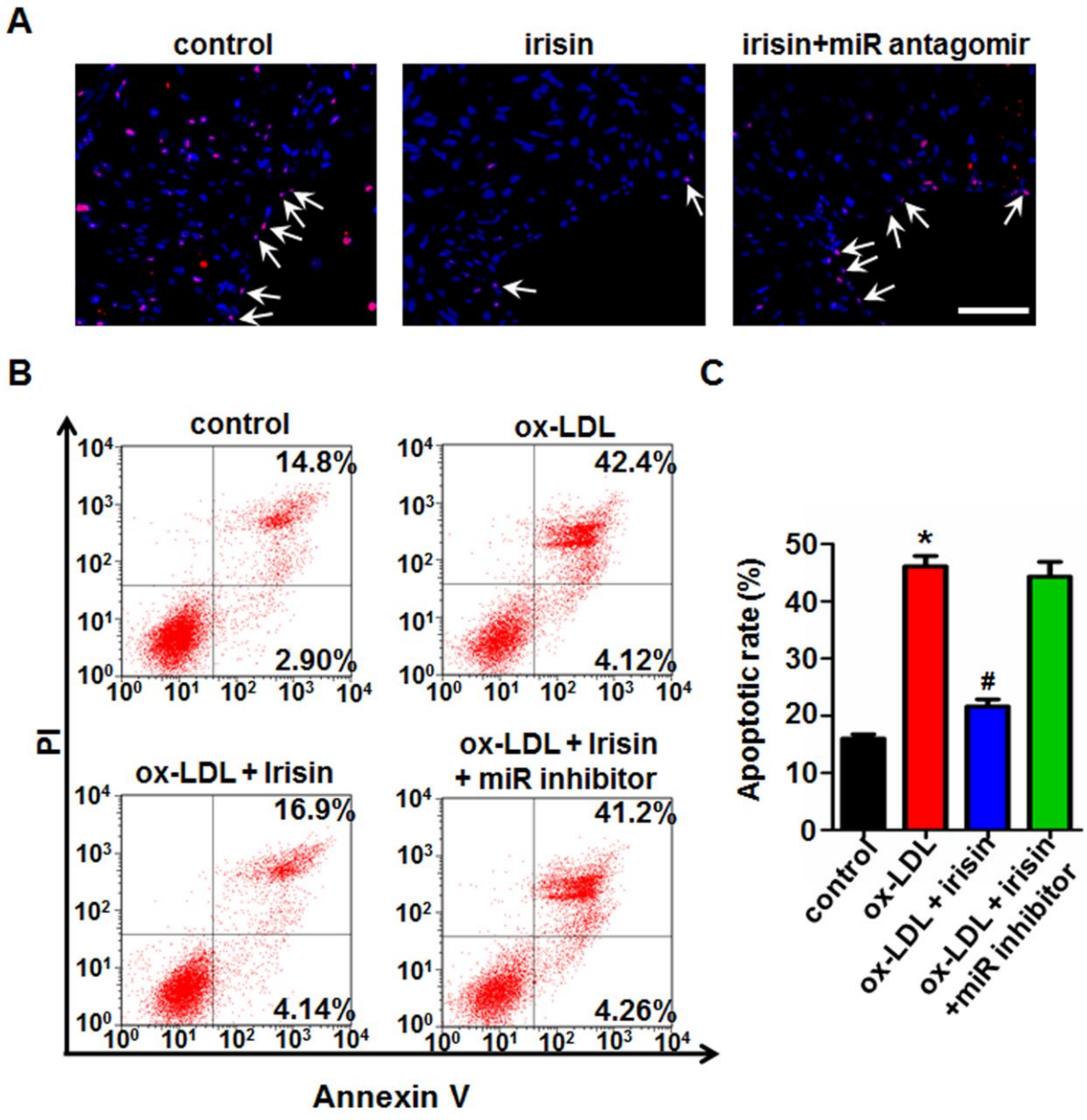

Figure S2. miR126-5p mediated the inhibitory effect of irisin on ox-LDL induced EC apoptosis. (*A*) Sections from the mice carotid arteries were labeled by TUNEL to detect apoptotic cells and counterstained with DAPI to detect nuclei. Scale bar

indicates 50 μm. (*B*) HUVECs were transfected with the miR126-5p inhibitor or negative control for 6h followed by irisin and/or ox-LDL treatment. Apoptosis of HUVECs was detected by using flow cytometry. (*C*) The apoptotic rate was determined by calculating the ratio of Annexin-V-positive and Annexin-V/PI-double positive cells to total cells. The data were expressed as the mean ± SEM of three independent experiments. *P < 0.05 vs. control, # P < 0.05 vs. ox-LDL -treated group.