Supplementary Figures

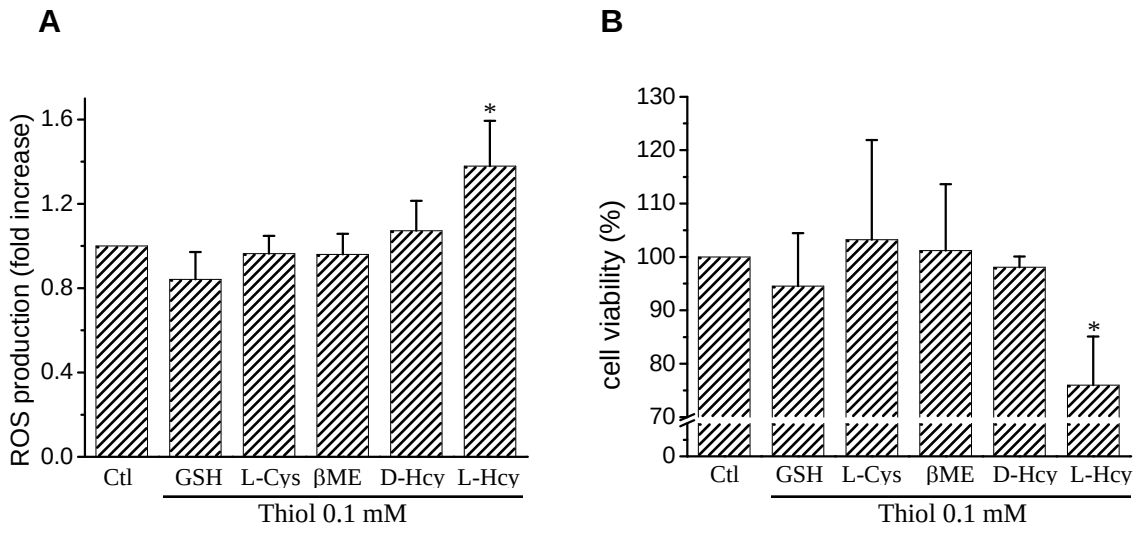

Figure S1. Thiol specificity for eliciting ROS. Pre-confluent HAEC were incubated with varying thiols (0.1 mmol/L) for 48 h. **A.** ROS production 48 h post treatment. **B.** Cell viability after 48 h. *p < 0.05 compared to control untreated cells. Data are expressed as mean ± SEM, N = 3.

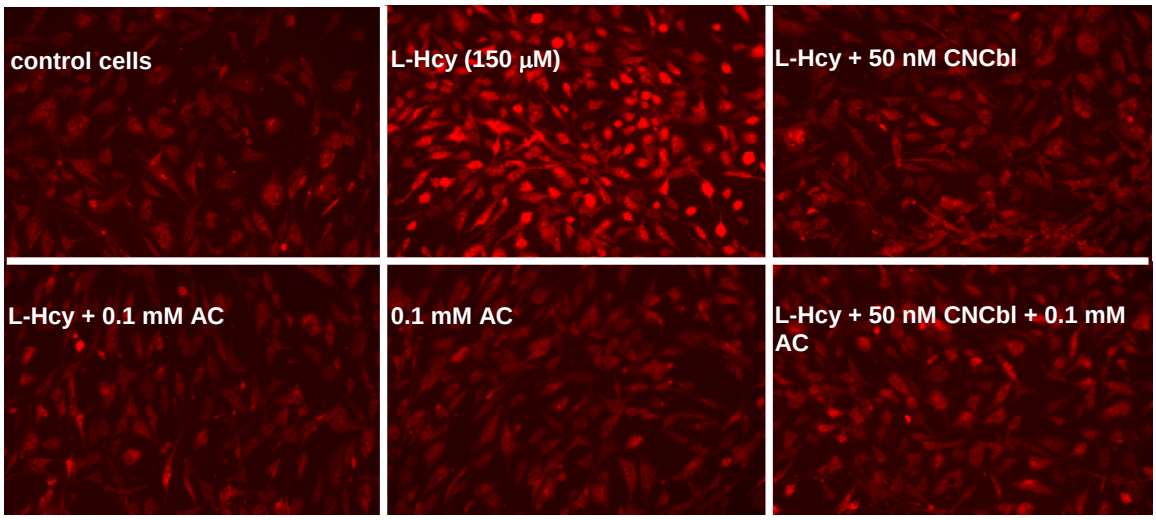

Figure S2. Cbl protection against L-Hcy induced superoxide production. Pre-confluent HAEC were incubated in the absence or in the presence of 50 nmol/L CNCbl for 24 h. Cells were washed with PBS, prior to incubation with 150 μmol/L L-Hcy with or without 0.1 mmol/L apocynin. After 24 h, cells were incubated with 5 μmol/L DHE for 1 h. After quantifying fluorescence in a microplate reader, cells were imaged with an Olympus IX-71 inverted epifluorescence microscope.

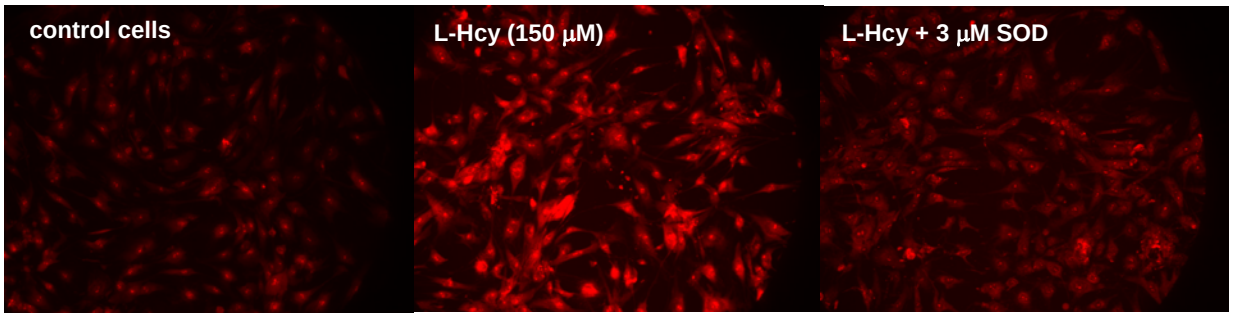

Figure S3. SOD protection against L-Hcy induced superoxide production. HAEC were incubated with 150 μM L-Hcy with or without 3 μM SOD. After 24 h, cells were incubated with 5 μM DHE for 1 h. After quantifying fluorescence in a microplate reader, cells were imaged with an Olympus IX-71 inverted epifluorescence microscope.

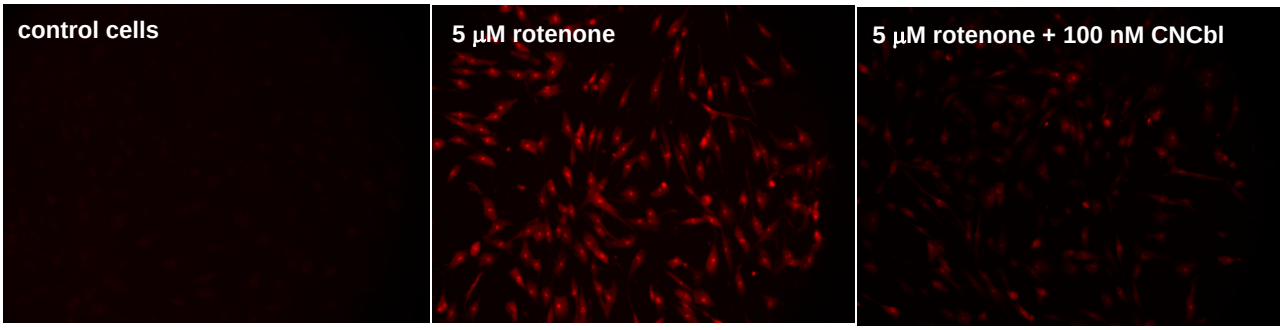

Figure S4. Cbl protection against rotenone-induced mitochondrial superoxide production. Pre-confluent HAEC were incubated in the absence or in the presence of 100 nmol/L CNCbl for 24 h. HAEC were washed and incubated with rotenone (5 μmol/L; 1 h). After quantifying fluorescence in a microplate reader, cells were imaged with an Olympus IX-71 inverted epifluorescence microscope.