

Figure.S1

A. Intracellular total ROS after 6 hrs treatment. G+, medium with glucose; G-, medium without glucose. ## comparing to HCC827G+ group, $p < 0.01$; ** comparing to ER6G+ group, $p < 0.01$. **B.** Intracellular ROS after 12 hrs treatment; CON, medium with glucose; STF-31 (5 μ M); ## comparing to HCC827 CON group, $p < 0.01$; ** comparing to ER6 CON group, $p < 0.01$. **C & D.** Protein expressions of COX-2, NOX-1 and NOX-2 of ER6 and HCC827 cells analyzed by western blot. **E.** Gene expression of NOX3, NOX4, NOX5, NOXA1 and NOXO1.

