



Supplementary Figure 1. Loss of XBP1 exacerbated hydroquinone induced cell death in ARPE-19 cells, and overexpression of *Nrf2* exhibited no rescue. ARPE-19 cells were transfected with *XBP1* siRNA or lipofectamine only (Mock) as control for 24 h, then infected with adenovirus overexpressing *Nrf2* or *LacZ* as control for another 24 h. Then cells were treated with hydroquinone (100 μ M, 24 h), and cell death and DNA damage was detected by phase contrast microscopy (A) and TUNEL assay (B), respectively. The level of *Nrf2* expression was detected by Western Blot (C).