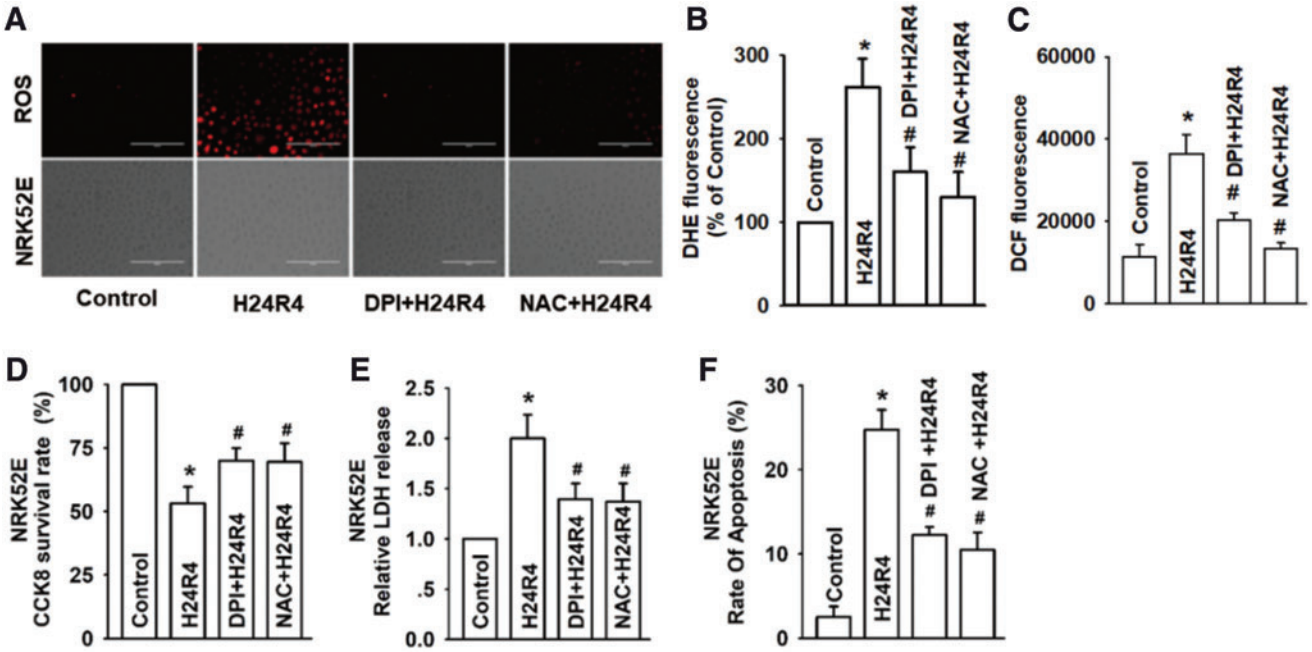


**SUPPLEMENTARY FIG. S8. Inhibitors of ROS, DPI, and NAC improve cell activity and attenuate cell apoptosis.** Before H24R4 exposure, DPI (an inhibitor of NADPH oxidase, 1 $\mu M$, 1 h pretreatment) and NAC (a ROS scavenger, 10 m$M$, 1 h pretreatment) were used to alter ROS generation and distribution, to observe effects of ROS on NRK52E cells damage and apoptosis, and mitochondrial membrane potential. **(A–C)** Effects of DPI and NAC on cellular ROS production after H24R4 exposure, detected with DHE staining (**A, B,** stained in red, scale bar 50 $\mu$m) and DCFH-DA staining **(C)**. **(D, E)** Effects of DPI and NAC on cell growth and relative LDH release after H24R4 exposure. **(F)** Effects of DPI and NAC on H24R4-induced cell apoptosis, detected with flow cytometry. Data are presented as mean ± SE ($n = 4$). $^{*}p < 0.05$ compared with control group; $^{\#}p < 0.05$ *versus* H24R4 group.