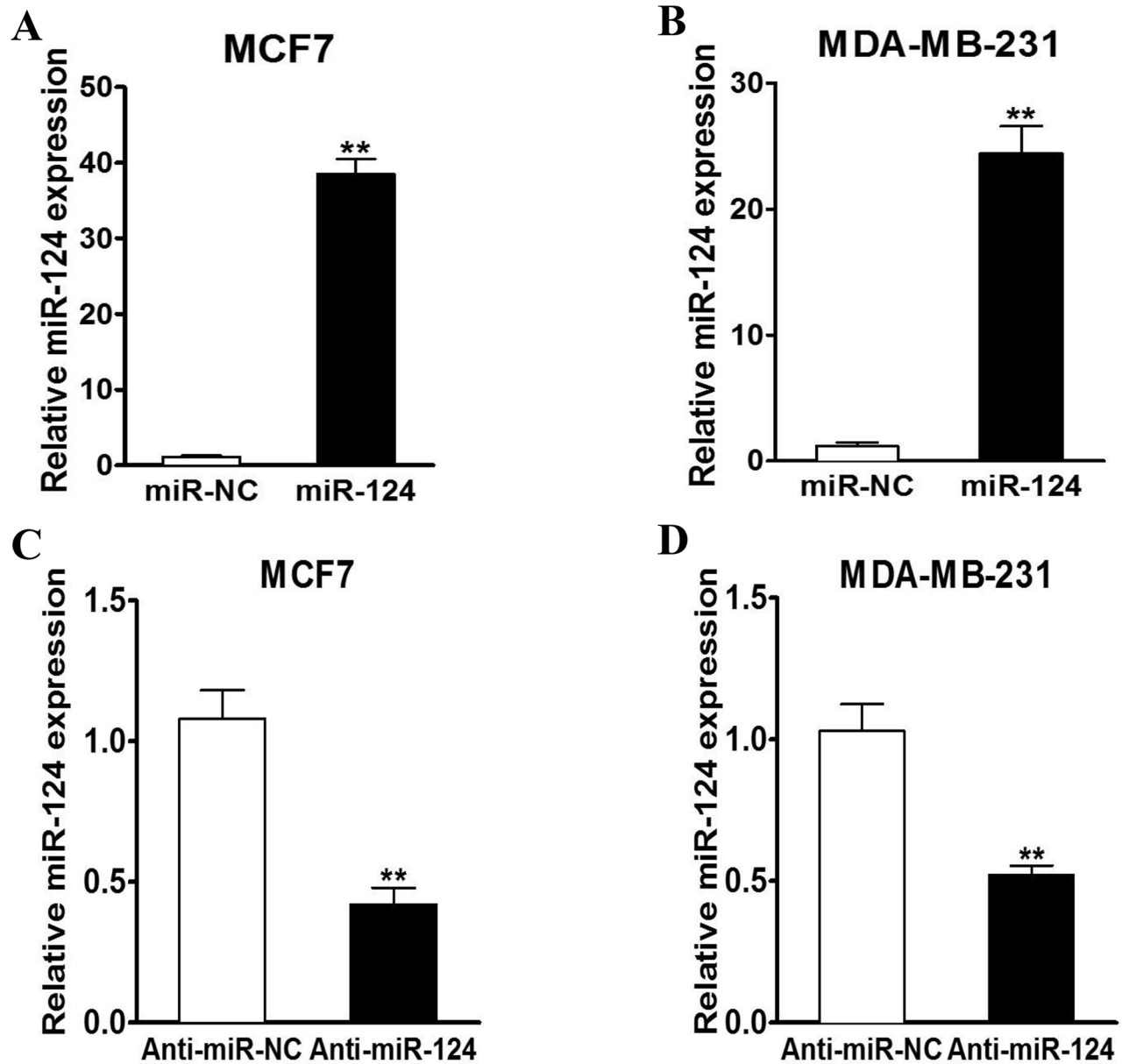
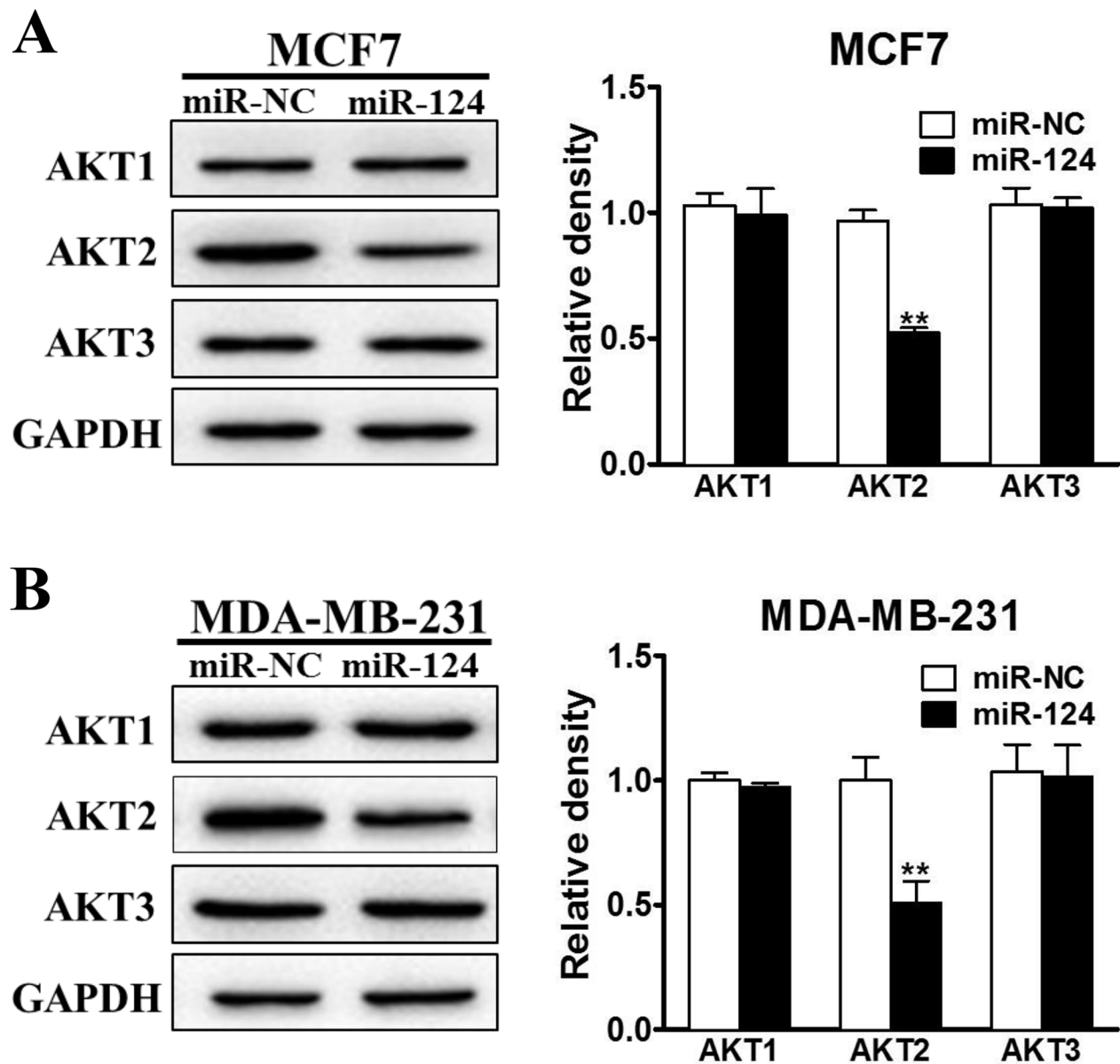


Estrogen regulates miRNA expression: implication of estrogen receptor and miR-124/AKT2 in tumor growth and angiogenesis

SUPPLEMENTARY FIGURES



Supplementary Figure S1: The expression levels of miR-124 are significantly changed by miR-124 mimics or antagonists in BC cells. **A.** and **B.** MCF7 and MDA-MB-231 cells were transfected with miR-124 mimics or miR-NC, **C.** and **D.** and miR-124 inhibitor (Anti-miR-124), or control anti-sense RNA inhibitor (Anti-miR-NC). The expression levels of miR-124 were analyzed by qRT-PCR and U6 levels were used as internal control, represented the ratio to control group. Data were presented as the means \pm SD from three independent experiments with triple replicates per experiment. * indicates significant difference compared to control at $P < 0.05$.



Supplementary Figure S2: miR-124 suppresses the expression levels of AKT2, but not AKT1 and AKT3. A. The expression levels of AKT1, AKT2, AKT3 and GAPDH were determined using immunoblotting in MCF7 and MDA-MB-231 cells overexpressing miR-124 and miR-NC. The density of protein levels of above was quantified by ImageJ software and GAPDH levels were used as internal control, and normalized to the values of miR-NC control. Data were presented as the means \pm SD from three independent experiments with triple replicates per experiment. ** indicates significant difference compared to miR-NC group at $P < 0.01$.