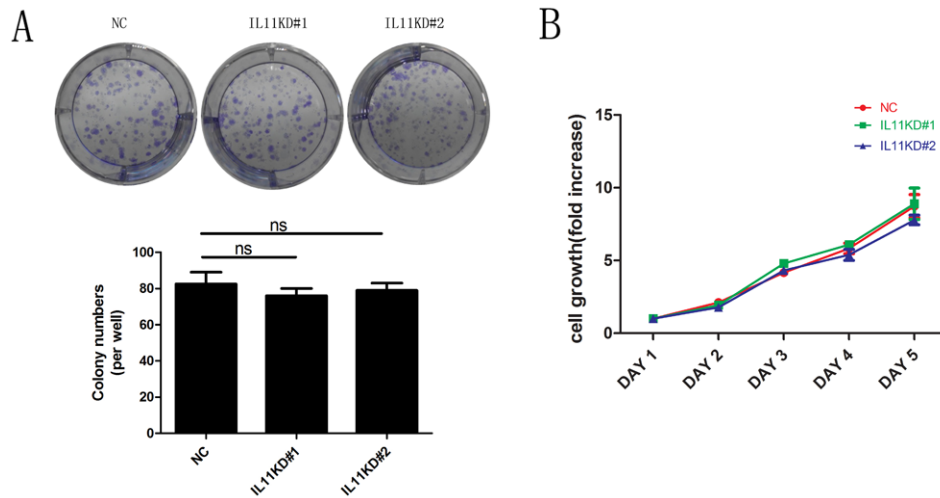
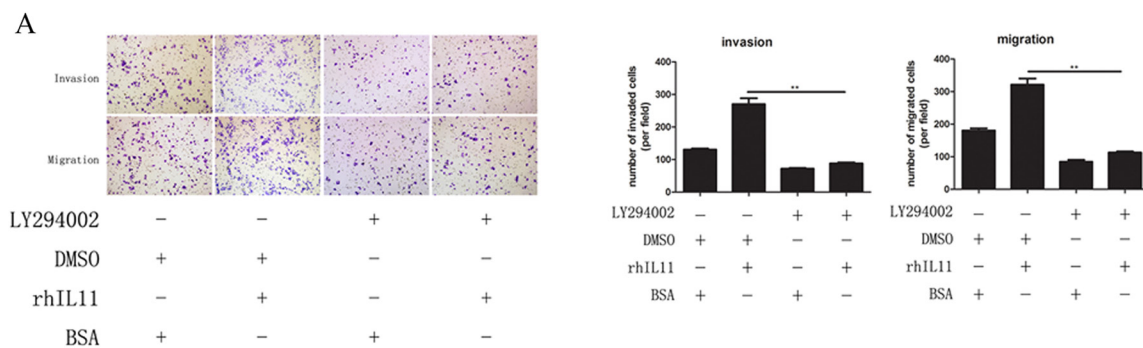


Interleukin-11 promotes epithelial-mesenchymal transition in anaplastic thyroid carcinoma cells through PI3K/Akt/GSK3 β signaling pathway activation

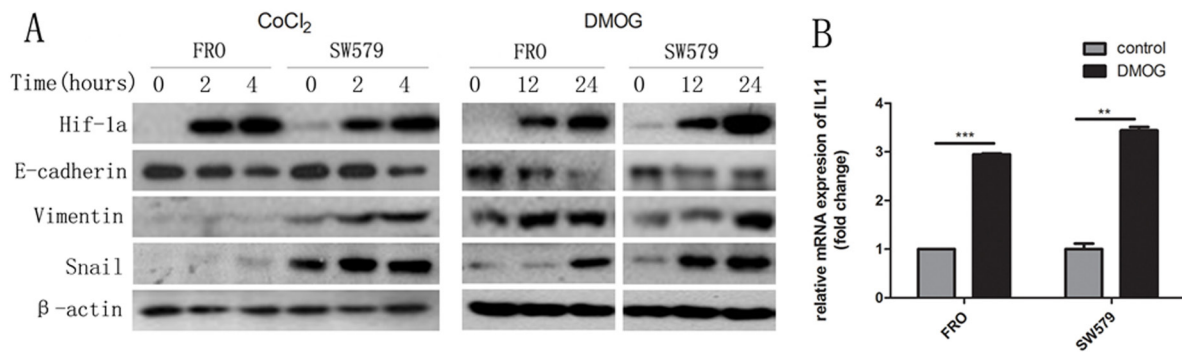
SUPPLEMENTARY FIGURES



Supplementary Figure S1: Knockdown of IL-11 in sw579 cells does not influence cell proliferation. A. Colony formation assay or B. proliferation assay results for IL-11 shRNA- or NC-transfected sw579 cells.



Supplementary Figure S2: IL-11 promotes the invasive and migratory abilities of ATC cells via the PI3K/Akt/GSK3 β /Snail pathway. A. The invasive and migratory abilities of sw579 cells were evaluated by transwell assay after pretreatment with 20 μ M LY294002 or 100 ng/ml rhIL-11. Migrated cells were plotted as the average number of cells per field. Photomicrographs are at 100 \times magnification. Bars correspond to the mean \pm SD of three independent experiments.



Supplementary Figure S3: Hypoxia induces EMT via HIF-1 α . **A.** Western blotting of ATC cells after treatment with 0.1 mM CoCl₂ or 1 mM DMOG at the indicated time using the indicated antibodies. β -Actin was used as a loading control. **B.** IL-11 mRNA levels of FRO and sw579 cells treated with 1 mM DMOG.