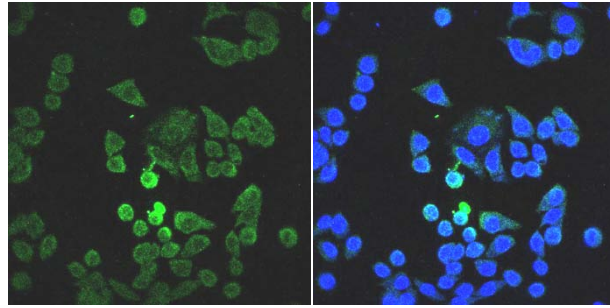
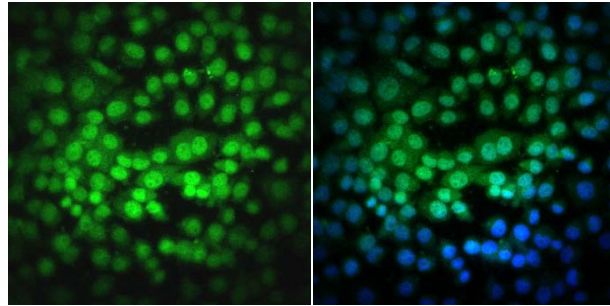


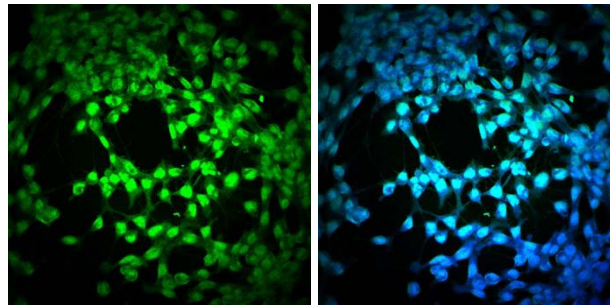
MCF-7



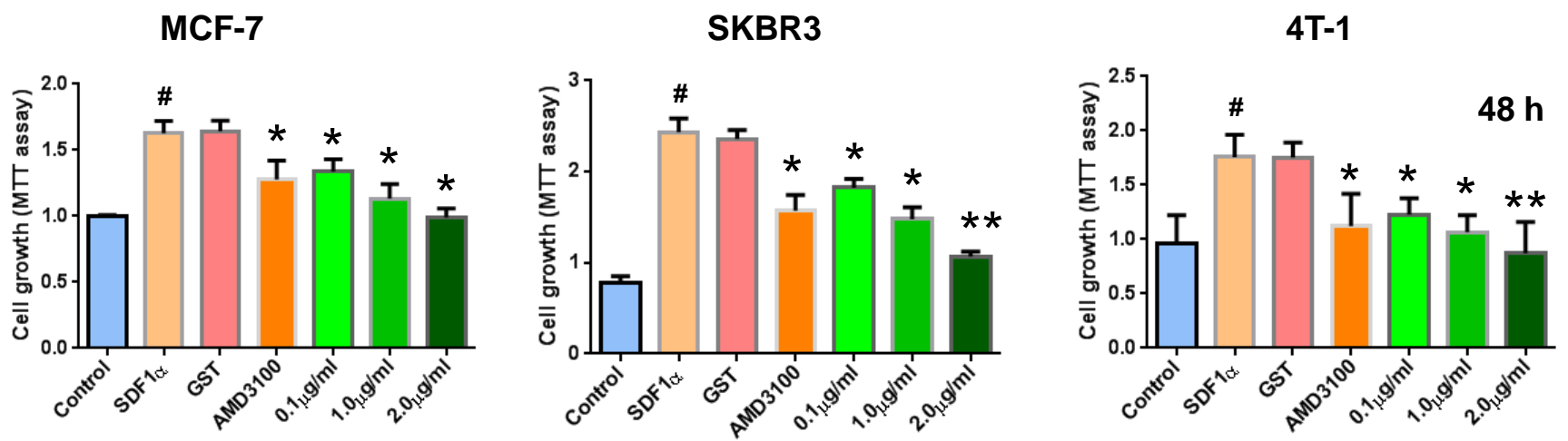
SKBR3



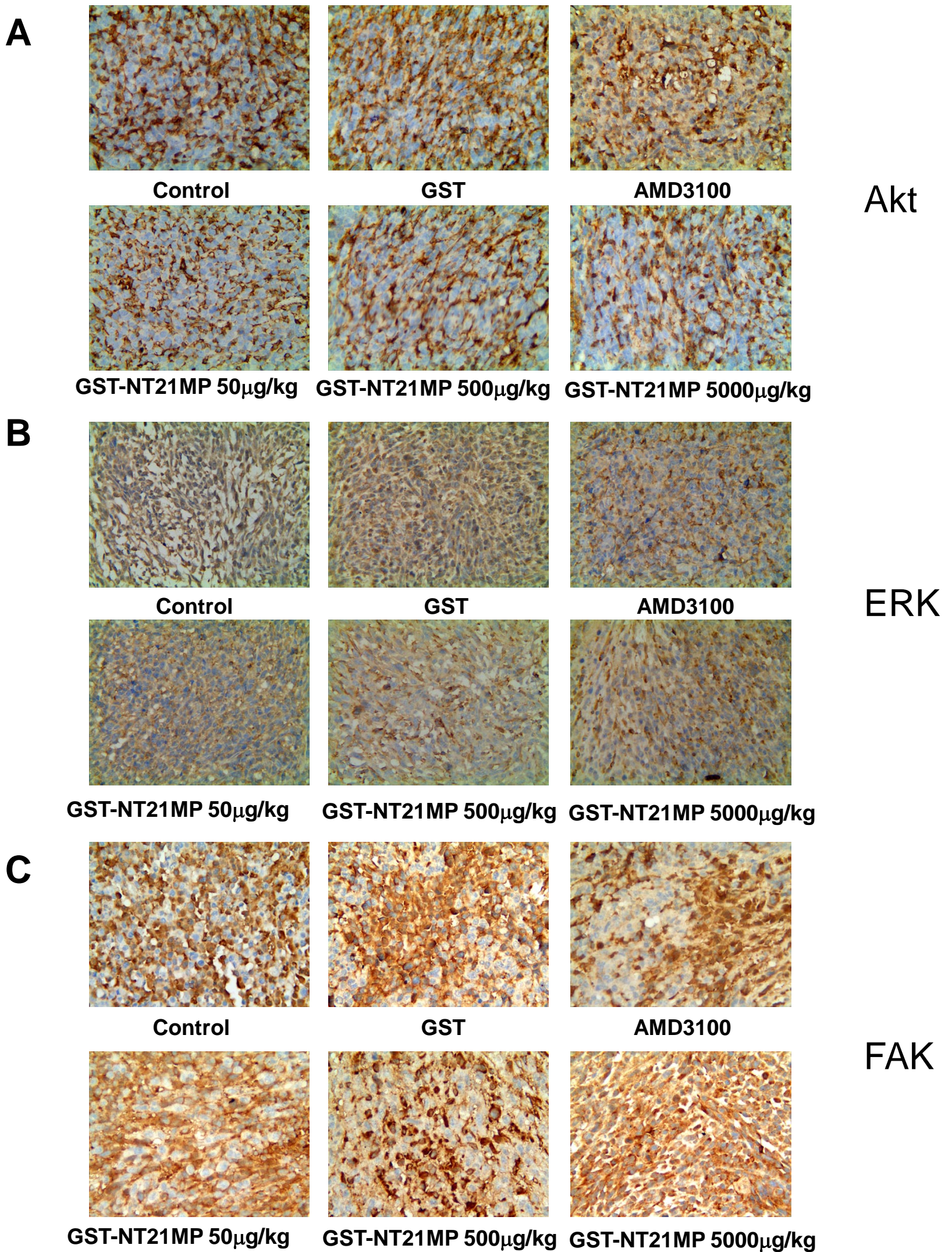
4T-1



Supplementary Figure 1: The expression of CXCR4 in three breast cancer cell lines. CXCR4 expression in different human breast cancer cells. Immunostaining of CXCR4 in MCF-7, SKBR-3 and 4T-1 cells observed by confocal microscopy. Fixed and permeabilized staining with anti-human CXCR4 antibody is shown in green. Nuclei stained with hoechest are shown in blue.



Supplementary Figure 2: GST-NT21MP inhibited cell proliferation in breast cancer cells. 0.1mg/ml: GST-NT21MP 0.1mg/ml; 1.0mg/ml: GST-NT21MP 1.0mg/ml; 2.0mg/ml: GST-NT21MP 2.0mg/ml. The effect of GST-NT21MP on the cell viability for 48 h was determined by the MTT assay. #P<0.05, compared to control; *P < 0.05, **P < 0.01, compared to the SDF1 α treatment.



Supplementary Figure 3: Immunohistochemical staining of tumor tissue sections with antibodies to Akt, ERK, FAK.