

Supporting Information

An Aptamer-Tethered, DNzyme-Embedded Molecular Beacon for Simultaneous Detection and Regulation of Tumor-related Genes in Living Cells

Shengfeng Wang^{1,2}, Jinsong Ding*¹ and Wenhui Zhou*¹

¹. Xiangya School of Pharmaceutical Sciences, State Key Laboratory of Powder Metallurgy,
Central South University, Changsha, Hunan, 410013, China

². Department of Pharmacy, the Third Xiangya Hospital of Central South University, Changsha,
Hunan, 410013, China

*Email: zhouwenhuyaoji@163.com

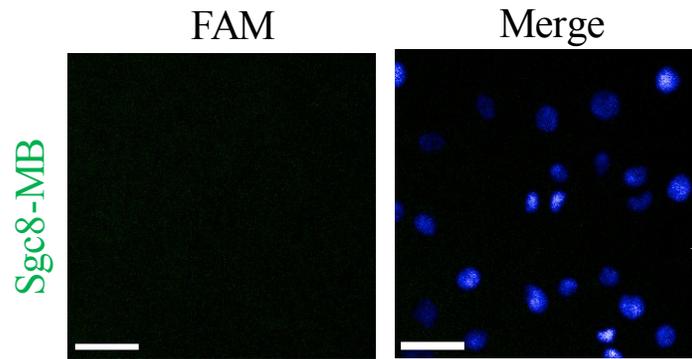


Figure S3. The fluorescence image of A549 cells with 0.5 μM sgc8 aptamer-functionalized MB for 2 h. The scar bar, 40 μm .

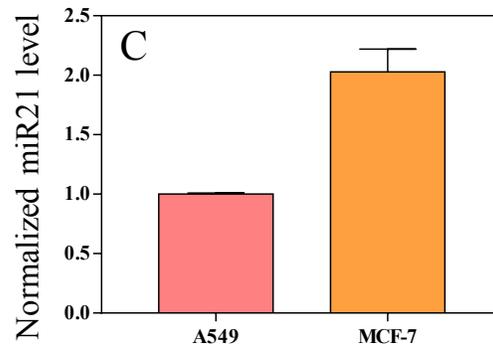
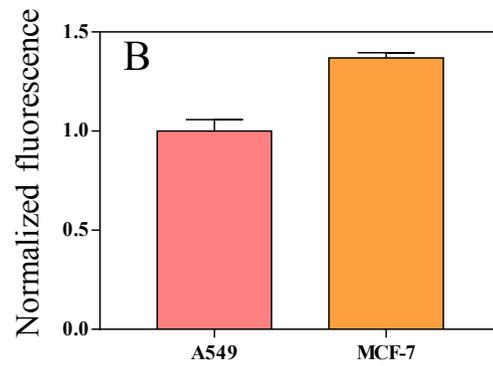
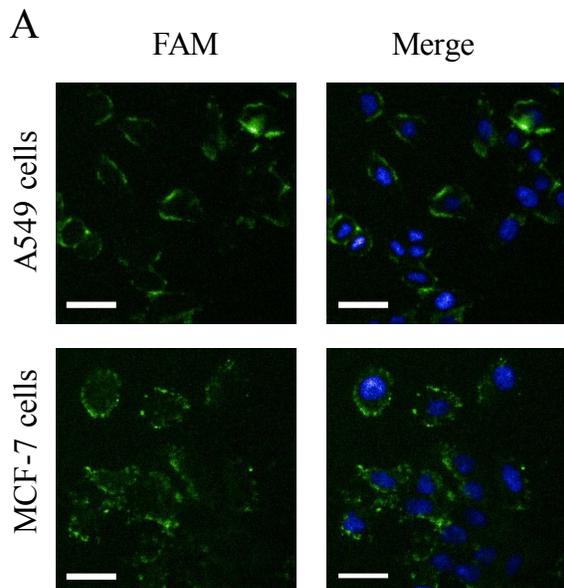


Figure S4. (A) The fluorescence image of A549 cells and MCF-7 cells treated with 0.5 μ M AMB for 2 h. (B) Relative fluorescent intensity quantified from A. (C) A comparison of miR21 level in A549 and MCF-7 cells quantified by RT-PCR.