

Preparation and Characterization of Au/NiPc/Anti-P53/Bsa Electrode for Application as a P53 Antigen Sensor

Yen-Jou Chen¹, Yu-Ren Peng¹, Hung-Yu Lin¹, Tsung-Yu Hsueh¹, Chao-Sung Lai^{2,3*} and Mu-Yi Hua^{1*}

Supplementary Materials

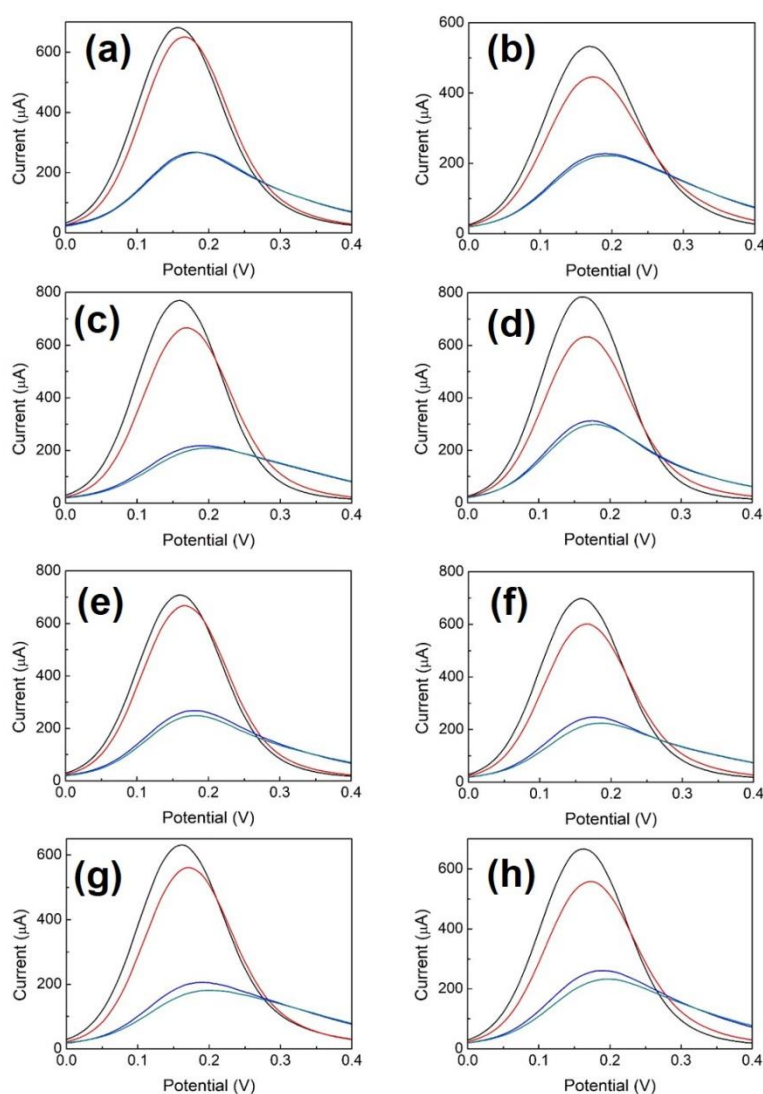


Figure S1. DPV analysis of different p53 antigen concentrations as detected by Au/NiPc/anti-p53/BSA electrodes. The black, red, blue and green curves represent 5×10^{-3} wt% NiPc, 1 ng/mL anti-p53, 136 $\mu\text{g/mL}$ BSA, and (a) 0.1, (b) 0.32, (c) 1, (d) 3.2, (e) 10, (f) 32, (g) 50, and (h) 100 pg/mL of p53 antigen, respectively.

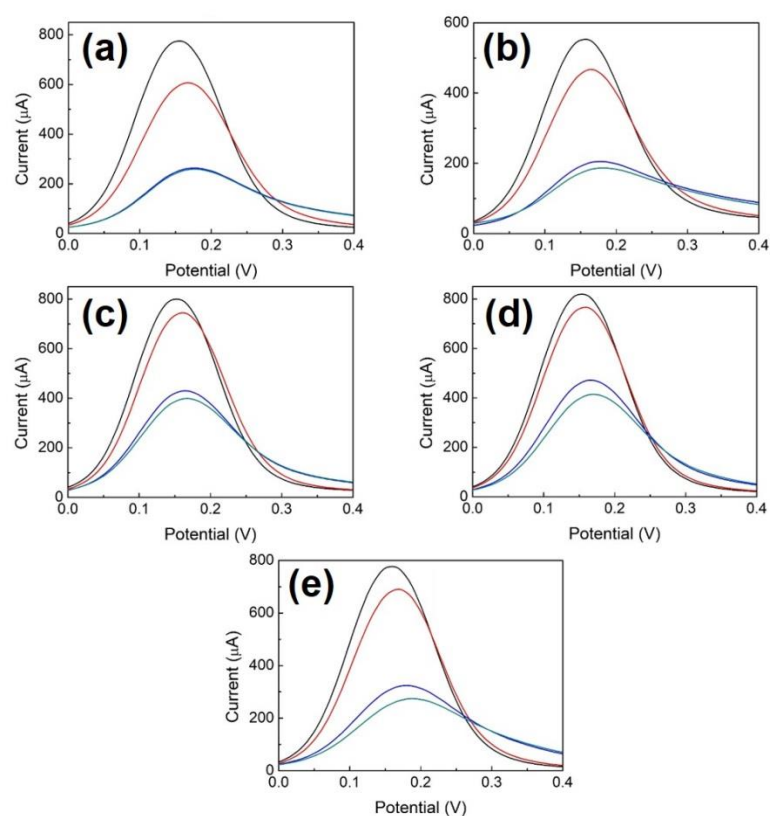


Figure S2. DPV analysis of different p53 antigen concentrations as detected by Au/NiPc/anti-p53/BSA electrodes. The black, red, blue and green curves represent 5×10⁻³ wt% NiPc, 100 ng/mL anti-p53, 136 μg/mL BSA and (a) 0.1, (b) 1, (c) 10, (d) 100, and (e) 500 pg/mL of p53 antigen, respectively.