

Electronic Supplementary Information (ESI)

Proximity Binding-Induced Strand Displacement and Metal Ion-Dependent DNAzyme Recycling for ATP Detection in-Vitro and Imaging in Living Cells

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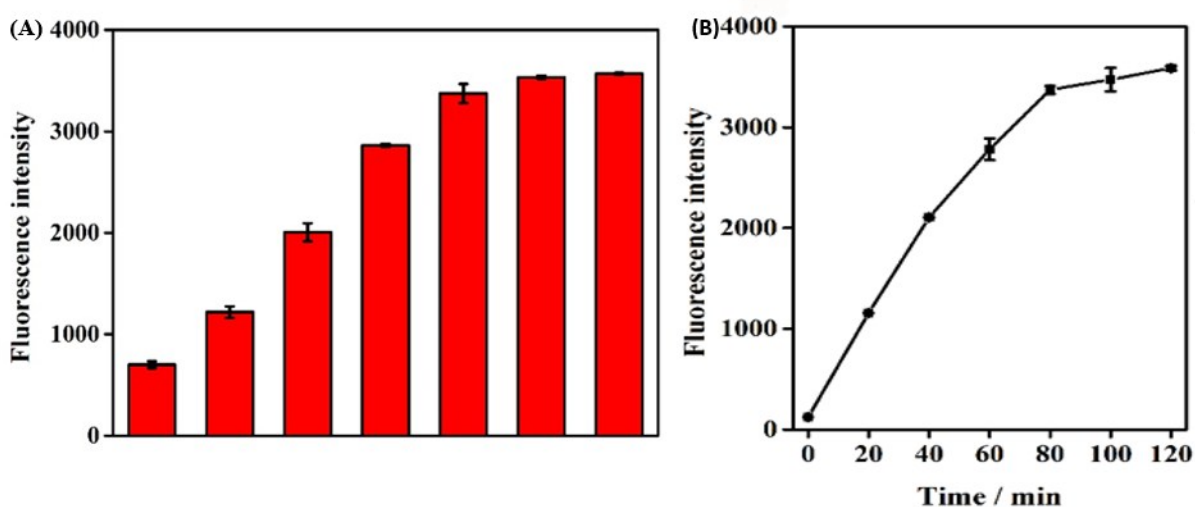


Fig.S1 Dependence of fluorescence intensity for 1.0 mM target ATP on (A) the Pb²⁺ concentration (from left to right: 2, 5, 8, 10, 15, 20, 30 μM); (B) the incubated time of GO nanoprobes with ATP and Pb²⁺.

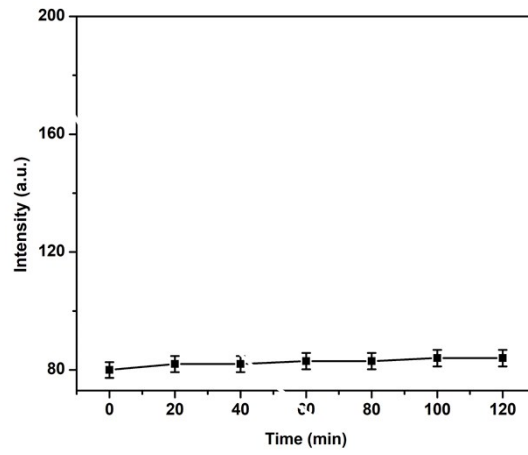


Fig.S2 Dependence of fluorescence intensity for GO probes at different time in 10% FBS buffer.

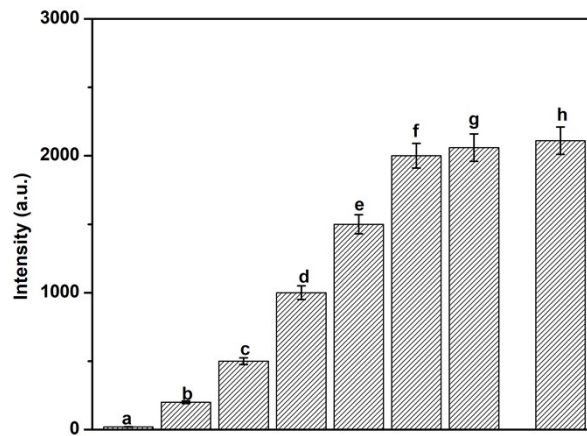


Fig.S3 Dependence of fluorescence intensity for GO probes at different time in HeLa cell (a: 0; b: 40 min; c: 80 min; d: 120 min; e: 160 min; f: 200 min; g: 240 min; h: 300 min).