

Supporting information for

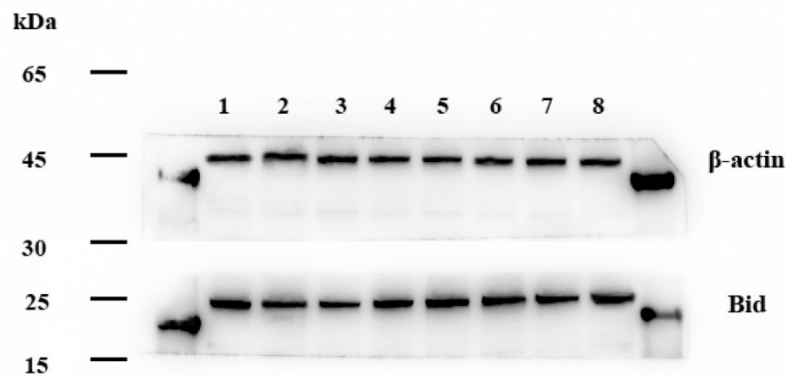
**Hydroxyapatite nanoparticles induced calcium overload-initiated
cancer cell-specific apoptosis through inhibition of PMCA and
activation of calpain**

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Raw data of western blot in Fig. 8c:



Lane 1: MGC80-3 cells without any treatment;

Lane 2: MGC80-3 cells treated with HAPNs at the concentration of $250 \mu\text{g mL}^{-1}$;

Lane 3: MGC80-3 cells treated with HAPNs at the concentration of $500 \mu\text{g mL}^{-1}$;

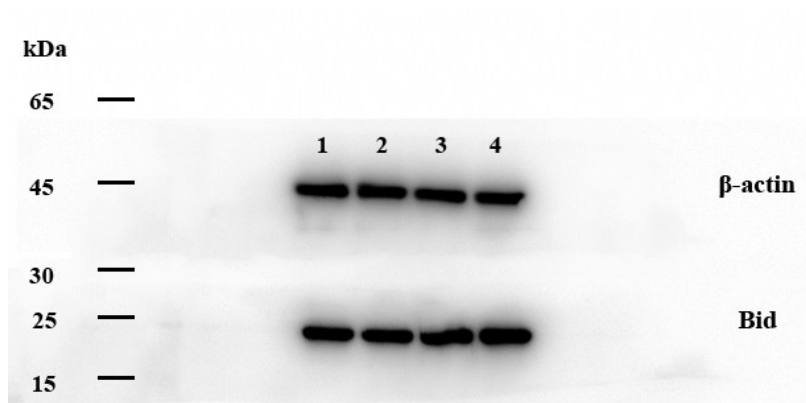
Lane 4: MGC80-3 cells treated with HAPNs at the concentration of $500 \mu\text{g mL}^{-1}$,
together with $5 \mu\text{M}$ calpeptin;

Lane 5: HepG 2 cells without any treatment;

Lane 6: HepG 2 cells treated with HAPNs at the concentration of $250 \mu\text{g mL}^{-1}$;

Lane 7: HepG 2 cells treated with HAPNs at the concentration of $500 \mu\text{g mL}^{-1}$;

Lane 8: HepG 2 cells treated with HAPNs at the concentration of $500 \mu\text{g mL}^{-1}$,
together with $5 \mu\text{M}$ calpeptin.



Lane 1: L-02 cells without any treatment;

Lane 2: L-02 cells treated with HAPNs at the concentration of 250 $\mu\text{g mL}^{-1}$;

Lane 3: L-02 cells treated with HAPNs at the concentration of 500 $\mu\text{g mL}^{-1}$;

Lane 4: L-02 cells treated with HAPNs at the concentration of 500 $\mu\text{g mL}^{-1}$, together with 5 μM calpeptin.