

1 *Supporting information for manuscript*

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3 **Multi-ligand modified PC@DOX-PA/EGCG micelles effectively inhibit the growth of**  
4 **ER<sup>+</sup>, PR<sup>+</sup> or HER<sup>2+</sup> breast cancer**

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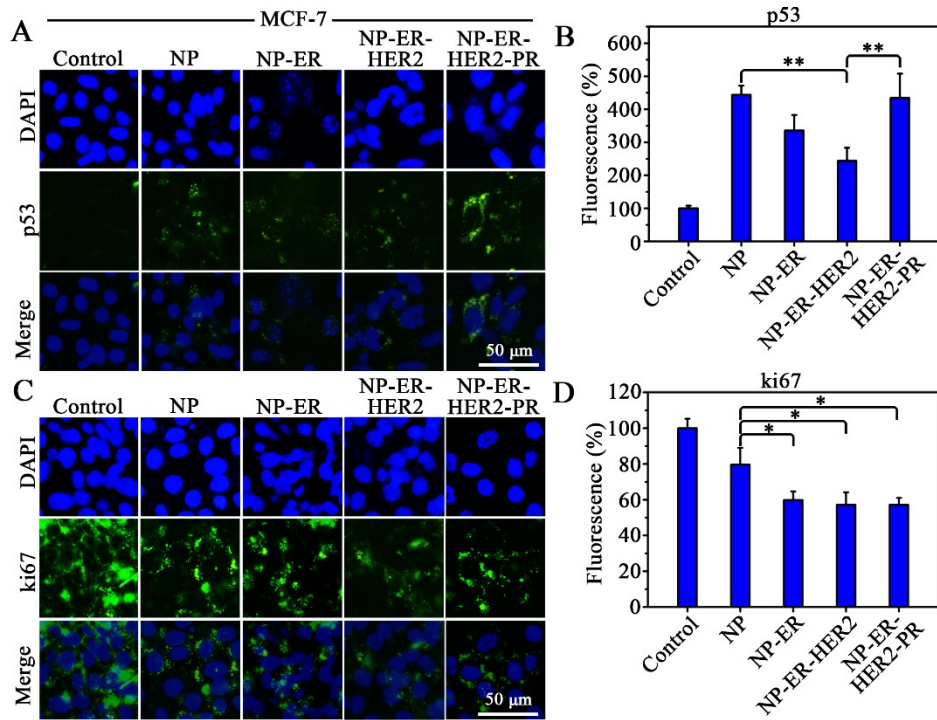
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The authors declare no competing financial interest.

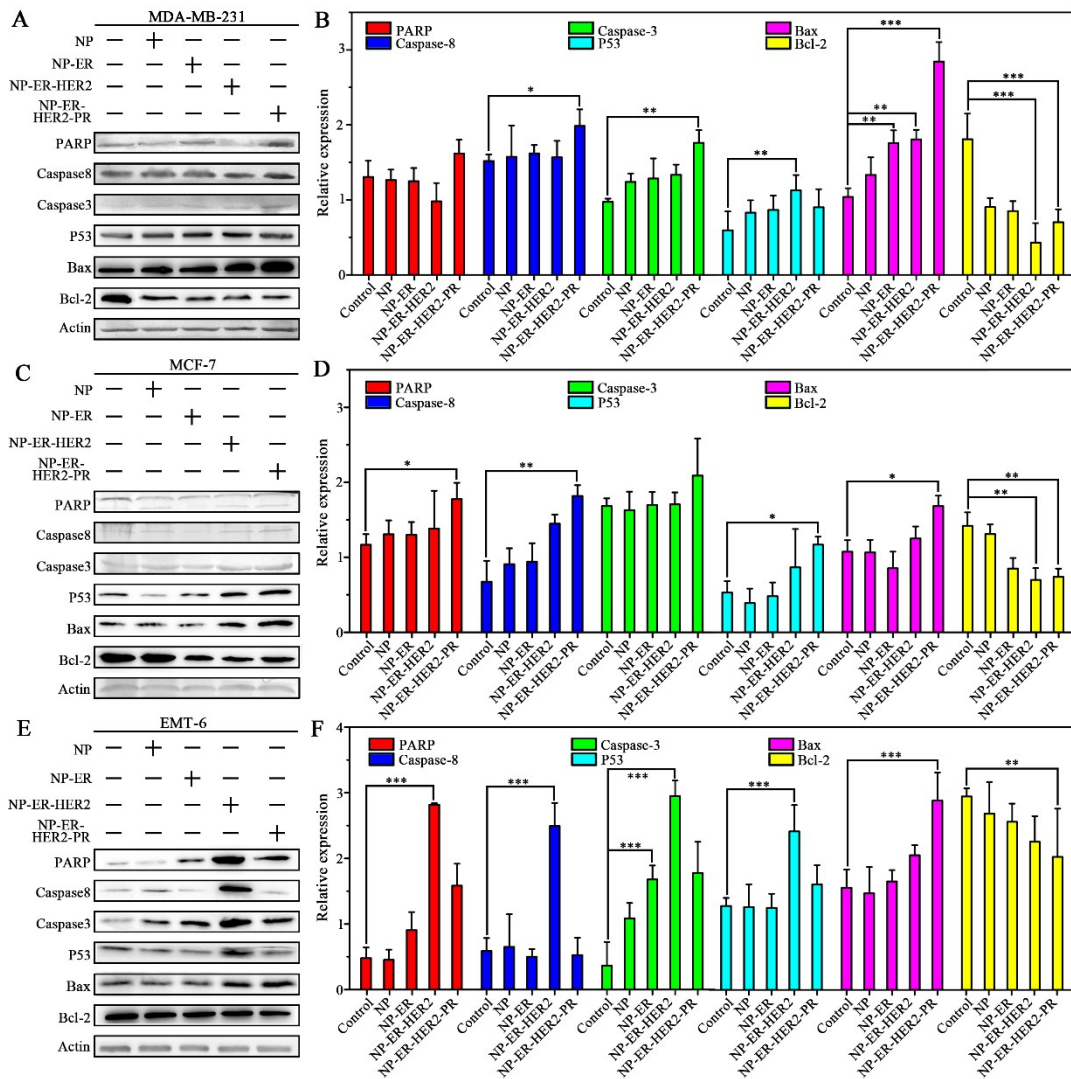
# 1 Figure and Figure Captions



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3 **Figure S1:** The treat effect of nanoparticle in MCF-7 cell. A,B: Immunofluorescence detect  
 4 the expression of Ki67 and P53 of MCF-7 cells after treated by, NP, NP-ER, NP-ER-HER2,  
 5 NP-ER-HER2-PR. C,D: Quantitative analysis the expression of Ki67 and P53 of MCF-7 cells  
 6 after treated by NP, NP-ER, NP-ER-HER2, and NP-ER-HER2-PR. \*p < 0.05.

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**Figure S2:** The therapy effect of targeted nanoparticles *in vitro*. A,B: Western blot detecting the expression of PARP, caspase-8, p53, caspase-3, bax and bcl-2 in MDA-MB-231 cells. C,D: Apoptosis related proteins PARP, caspase-8, p53, caspase-3, bax and bcl-2 express in MCF-7 cells. E,F: The expression of PARP, caspase-8, p53, caspase-3, bax and bcl-2 in EMT-6 cells. (n = 3, \*p < 0.05, \*\*p < 0.01, \*\*\*p < 0.001)

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