Supplementary Materials

2-Amino-6-chloropurine-modified polyamidoamine-mediated p53 gene transfection to achieve the anti-tumor efficacy

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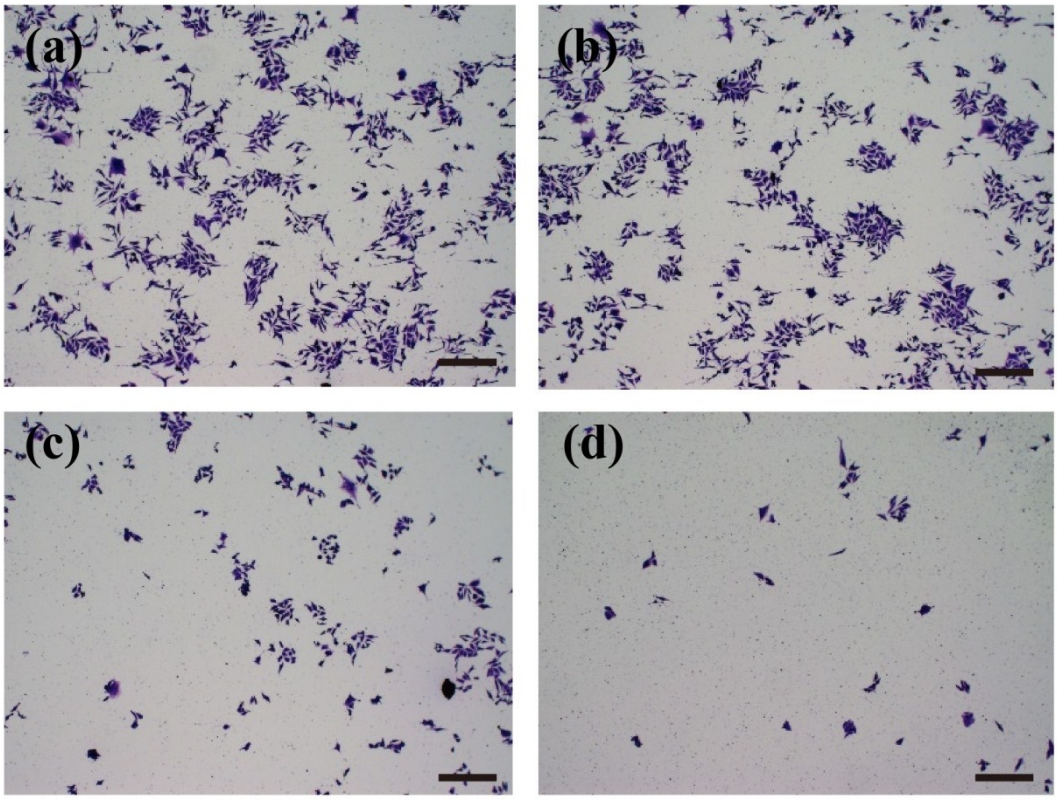

Figure S1. The colony formation ability of PC-3 cells after p53 transfection: (a) control; (b) AP-PAMAM; (c) PAMAM/p53 and (d) AP-PAMAM/p53. The scale bar is 400 μm.

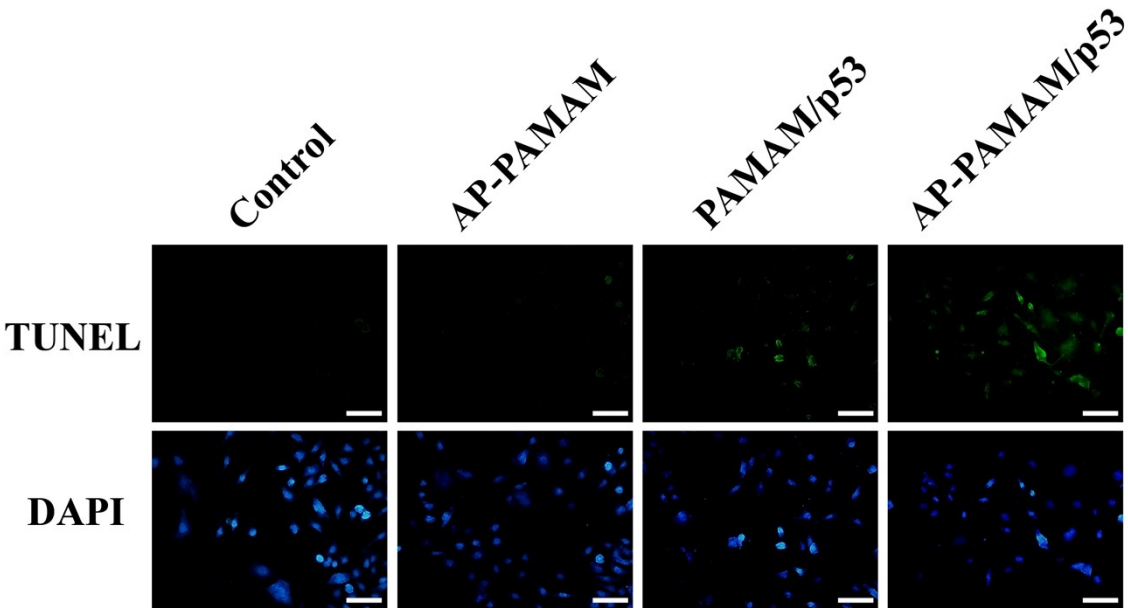

Figure S2. TUNEL staining of PC-3 cells after p53 transfection mediated by different carriers. The scale bar is 400 μm.

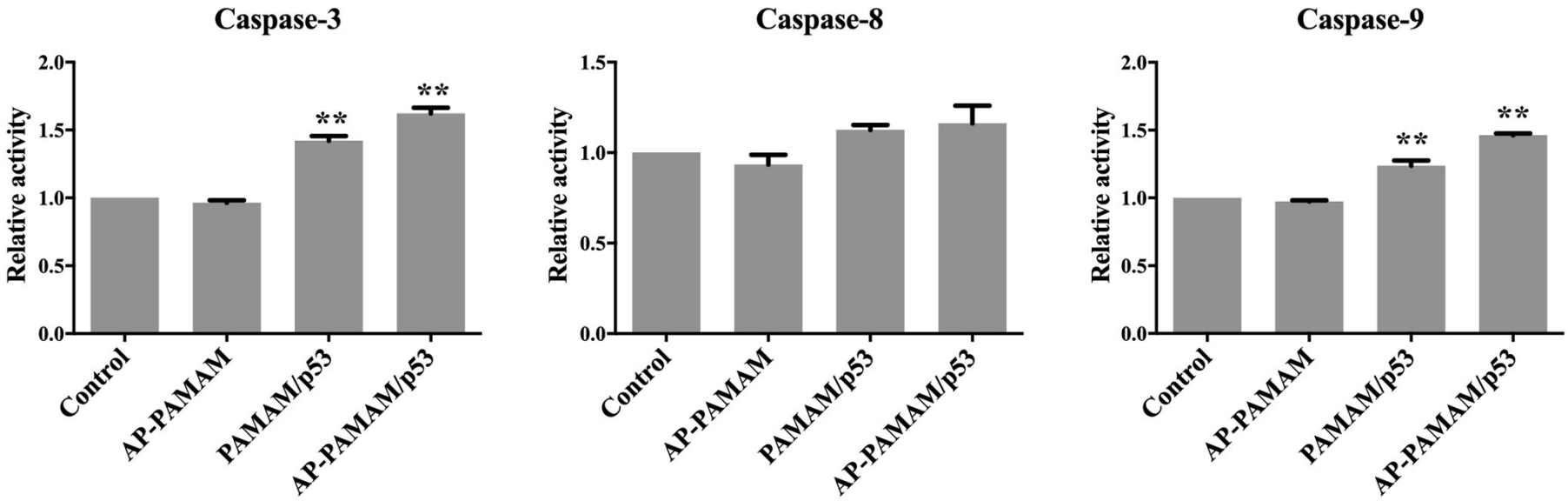

Figure S3. The activity analysis of caspase-3, -8 and -9 after p53 transfection using the corresponding detection kits. Data were presented as the mean value ± SD of triplicate experiments (*p<0.05; **p<0.01).

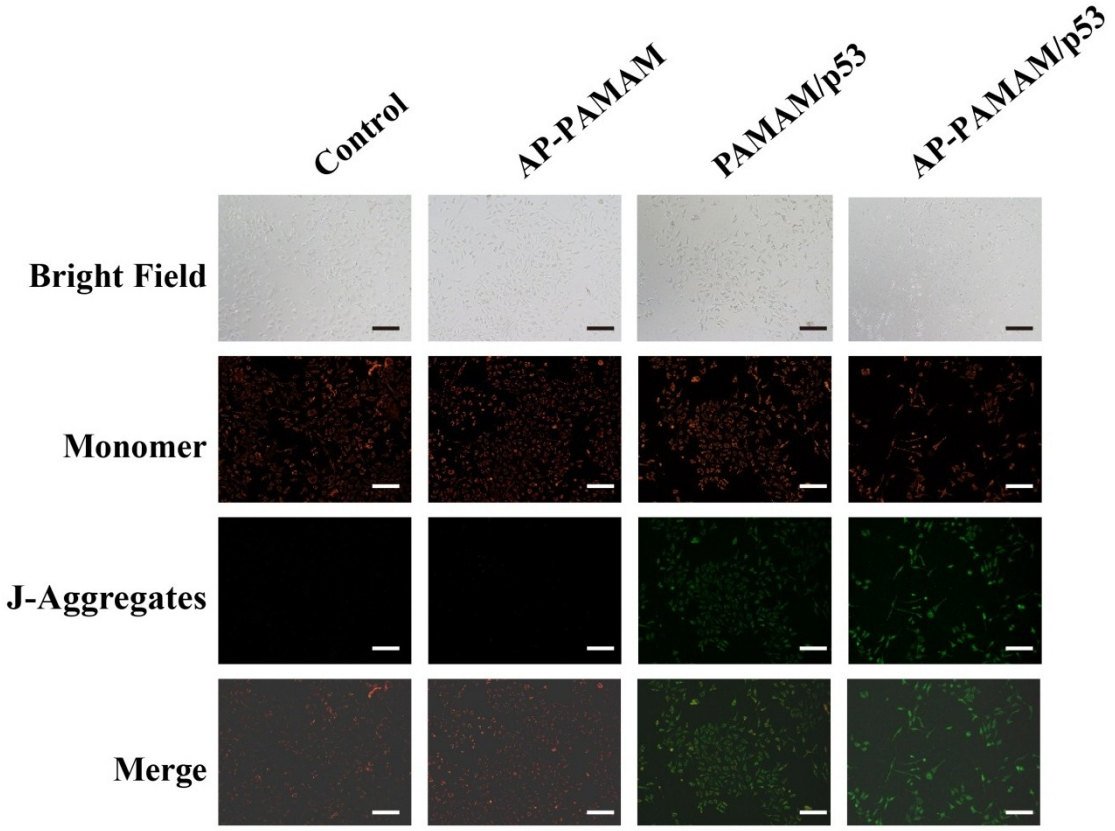

Figure S4. Mitochondrial membrane potential analysis of PC-3 cells after p53 transfection mediated by different carriers using JC-1 probe. The scale bar is 200 μm.

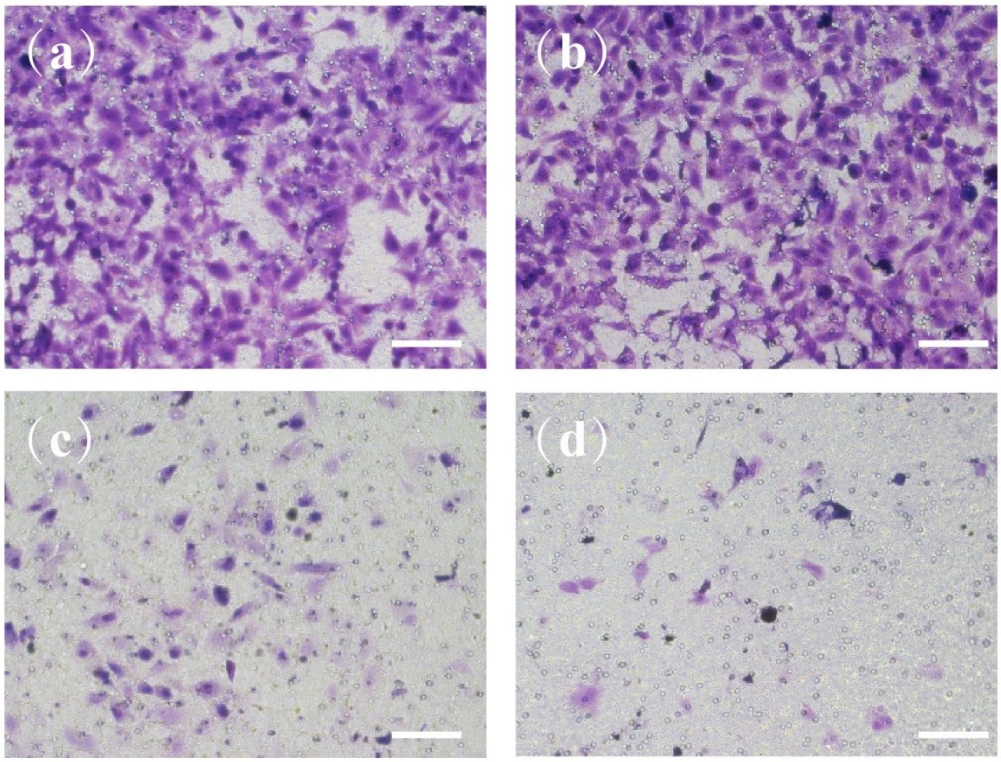

Figure S5. Transwell migration assay of PC-3 cells after p53 transfection: (a) control; (b) AP-PAMAM; (c) PAMAM/p53 and (d) AP-PAMAM/p53. The scale bar is 100 μm.