

Table S1. Cell viability of FTY720-treated cells. After treatment with FTY720 for 72 h, number of the ALDH-negative and -positive cells in MCF-7 cells (left) and MDA-MB-231 cells (right) were assessed using the Aldefluor assay kit and flow cytometry. Cell viability was indicated as percent of control. Data represent mean \pm s.d. (n = 3).

cell line μ M	MCF-7		MDA-MB-231	
	ALDH (-)	ALDH (+)	ALDH (-)	ALDH (+)
0.1	88.2 \pm 5.2	83.5 \pm 31.0	93.2 \pm 5.9	99.7 \pm 56.9
1	72.5 \pm 4.0	69.3 \pm 8.7	72.9 \pm 9.9	34.0 \pm 6.0
3	64.3 \pm 3.4	35.2 \pm 4.9	59.4 \pm 2.9	21.6 \pm 8.0

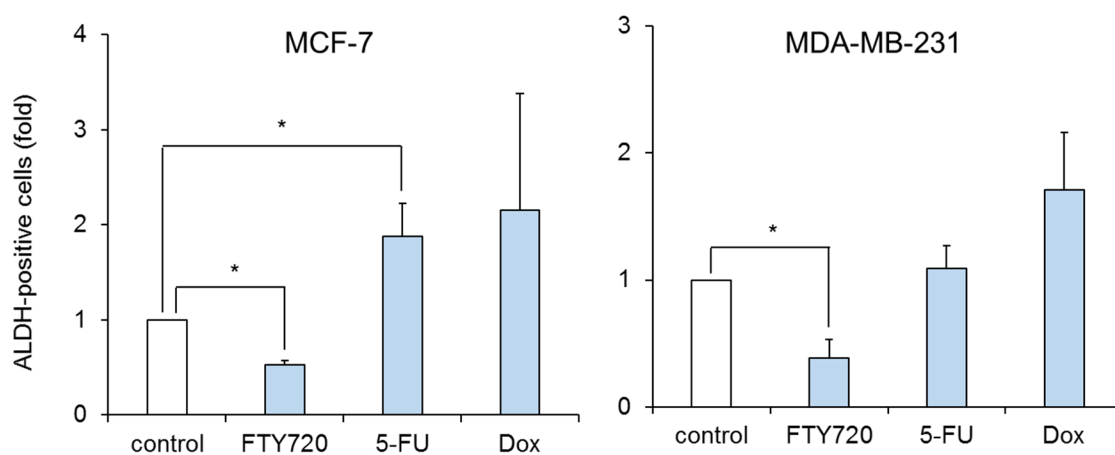


Figure S1. Comparison of FTY720 with anti-cancer drug 5-FU and doxorubicin. After treatment with FTY720 (3 μ M), 5-FU (10 μ M) or Dox (1 μ M) for 72 h, the ALDH-positive cells of MCF-7 cells (left) and MDA-MB-231 cells (right) were assessed using the Aldefluor assay kit and flow cytometry. Data represent mean \pm s.d. (n = 3). * p < 0.05.

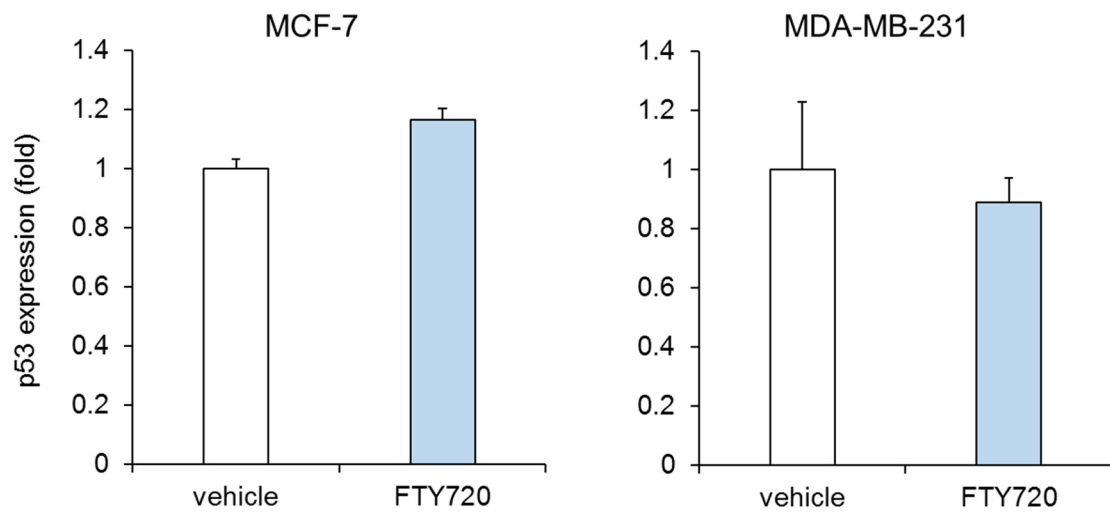


Figure S2. Effect of FTY720 on tumor suppressor p53 expression. After treatment with FTY720 ($3 \mu\text{M}$) for 48 h, expression level of p53 in MCF-7 cells (left) and MDA-MB-231 cells (right) were measured by real-time RT-PCR. Data represent mean \pm s.d. (n = 3).