

Mithramycin A suppresses basal triple-negative breast cancer cell survival partially via down-regulating Krüppel-like factor 5 transcription by Sp1

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Supplementary Figure legends

Figure S1. MIT suppresses HCC1937 xenograft growth and induces apoptosis *in vivo*.

A. MIT suppressed HCC1937 tumor growth in Balb/c nude mice. HCC1937 cells were injected into the fat pad of female Balb/c nude mice. When the average tumor size reached approximately 100 mm³ after inoculation, the mice were randomly and equally distributed into two groups (n=6/group): saline control and 0.05 or 0.15 mg/kg MIT/d. Tumor size were measured twice per week for 7 weeks. Tumors were collected 7 weeks after MIT treatment.

B. MIT significantly decreased tumor weights compared to the saline control group (**, p<0.01, t-test).

C. MIT did not decrease the body weight of mice. The mice were weighed at the end of the experiment.

D-E. MIT suppressed HCC1937 cell proliferation and promoted apoptosis *in vivo*. Tumors collected from saline control and MIT groups were paraffin-fixed, sliced and stained with anti-ki-67 (D) or cleaved-caspase 3 (E). (*, p<0.05, t-test). The quantitative results are shown on the right.

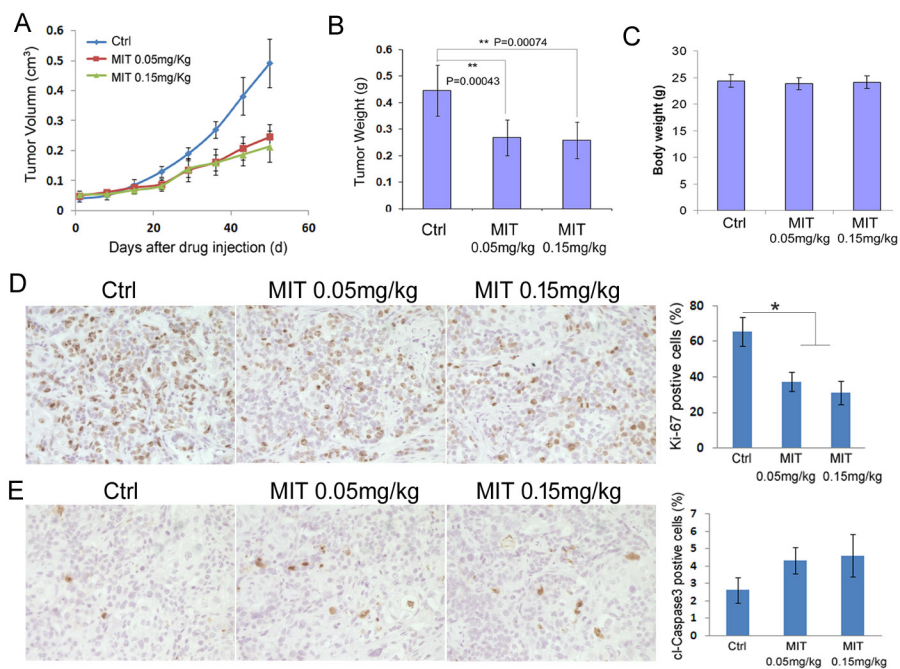


Figure S1