

Supporting Information

Osthole inhibits triple negative breast cancer cells by suppressing STAT3

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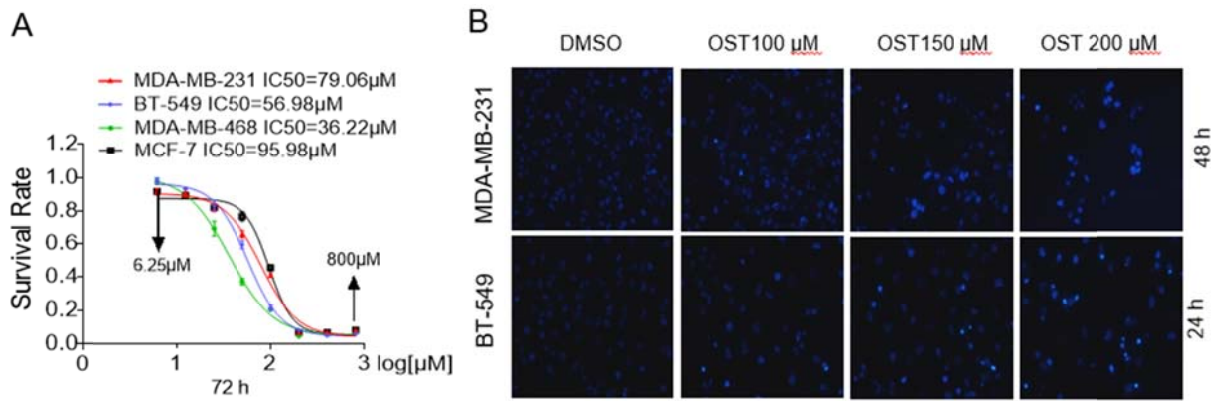
Running title: Osthole inhibits TNBCs by targeting STAT3

These authors contribute equally to this work.

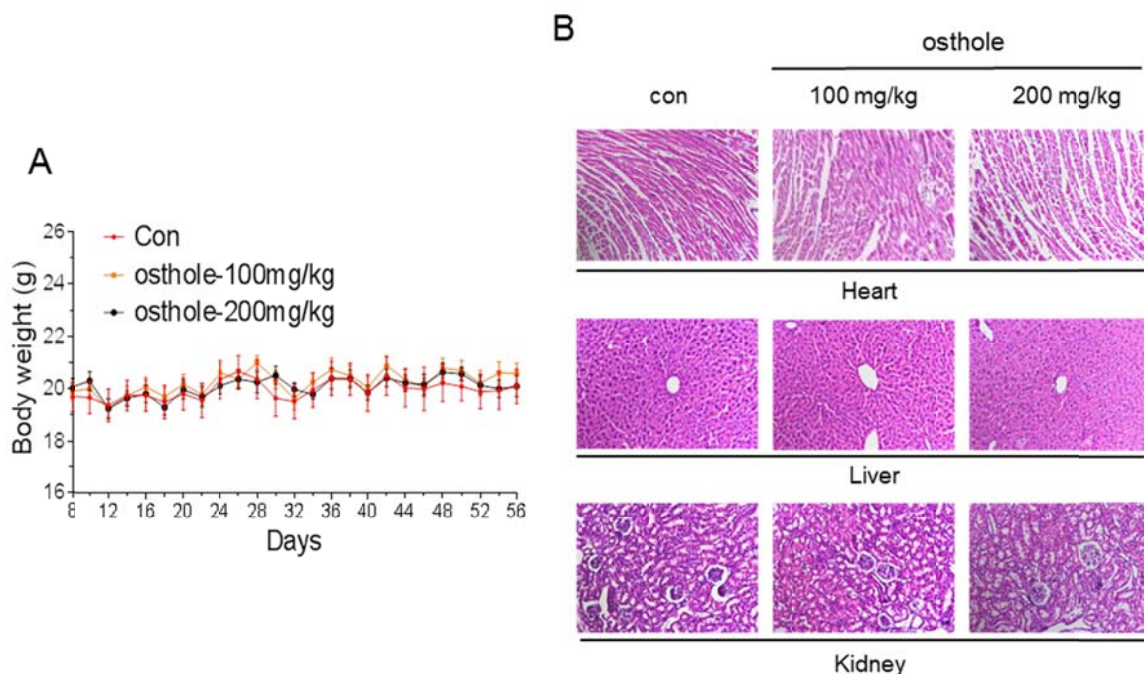
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Supplementary Figure S1: Nuclear morphology following osthole exposure in TNBC cells. (A) The effects of osthole on the viability of human TNBC cells. MDA-MB-231, BT-549, MDA-MB-468, and MCF-7 cells were challenged with increasing concentrations of osthole. Cell viability was determined by MTT assay and the IC₅₀ values at 72h were calculated. (B) MDA-MB-231 and BT-549 cells were treated with increasing concentrations of osthole for 48 h or 24 h, respectively. Cells were then stained with Hoechst 33258 to assess apoptosis-related nuclear morphology.



Supplementary Figure S2: Effects of osthole on body weights and tissue structure

(A) Body weights of the mice in vehicle- and osthole-treatment groups. (B) H&E staining of heart, liver, and kidney specimens from mice harboring MDA-MB-231 tumors.