

d е Mixed pancreatic ductal -Badea78-APBA3 vs SKP2 transform_2log R=0.319 10.2% Explained p=4.4x10-3 Kaplan meier **Overall survival probability** 1.0 Mint3 high (n = 32) Mint3 low (n = 64) 0.8 8.5 8.0 **2log of APBA3** 2log of SKP2 8.0 p=0.036 7.5 0.6 7.5 7.0 7.0 6.5 0.4 6.5 0.2 6.0 6.0 5.5 5.5 0.0 24 0 12 36 48 samples ordered by APBA3 Follow up in months

Supplementary Figure 12. Mint3 promotes tumor malignancy of pancreatic cancer.

(a) Tumor growth of orthotopically inoculated control (shLacZ), Mint3-depleted (shMint3), or both Mint3 and FIH-1 depleted (shMint3 + shFIH-1) AsPC-1 cells in the pancreas of immunodeficient mice (n = 7). Error bars indicate SD. **p < 0.01 (Mann-Whitney U test).

(b) mRNA levels of EMT-related genes in pancreatic tumors of control and Mint3-depleted AsPC-1 cells. Expression levels were normalized to *ACTB*. Error bars indicate SD (n = 6 per group). *p < 0.05, **p < 0.01 (Mann-Whitney U test). nd, not detected.

(c) Immunohistochemical analysis of E-cadherin, N-cadherin, Slug, and vimentin in tumors of control (shLacZ) and Mint3-depleted (shMint3) AsPC-1 cells.

(d) *APBA3* (encoding Mint3) and *SKP2* mRNA levels in human pancreatic cancer from the Badea 78 dataset of The Cancer Genome Atlas database. The correlation factor was R = 0.319, and $p = 4.4 \times 10^{-3}$ (one-way ANOVA).

(e) Kaplan-Meier plot analysis of overall survival of pancreatic cancer patients with Mint3 high (n = 32, blue) and low (n = 64, red) expression from the Bailey 96 dataset of R2 database. p = 0.036 (log-rank test).