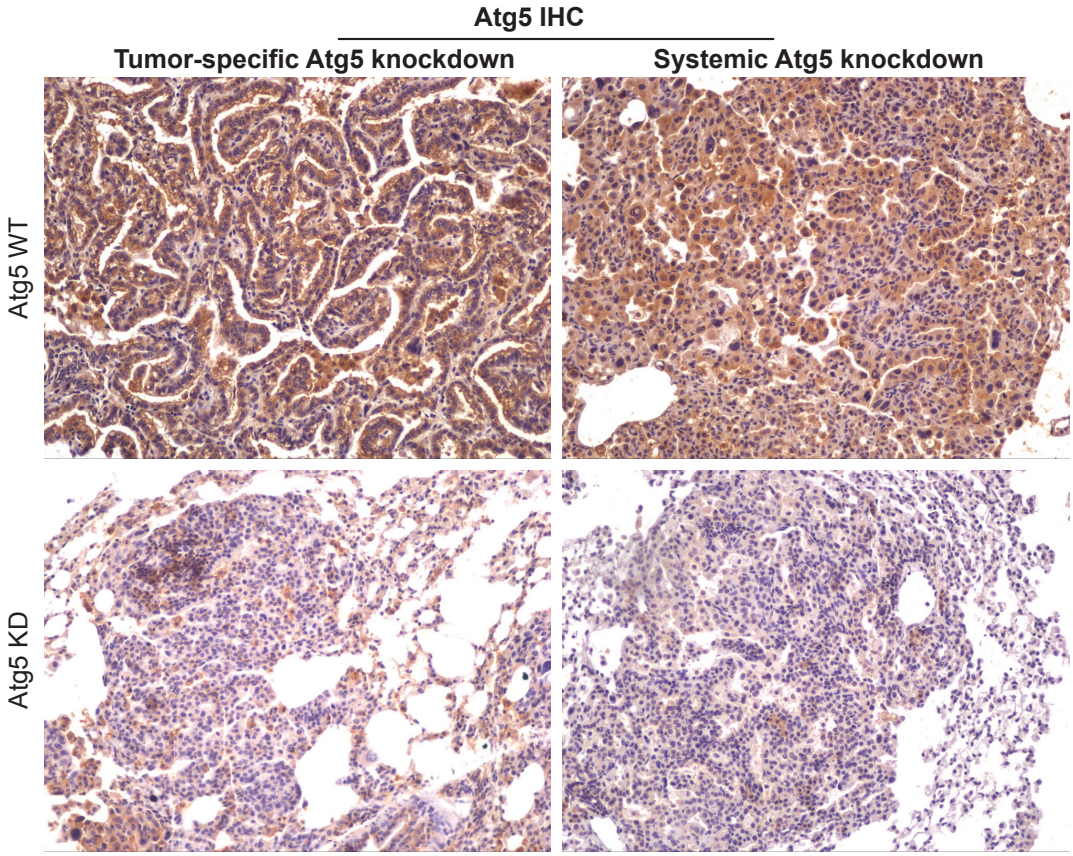
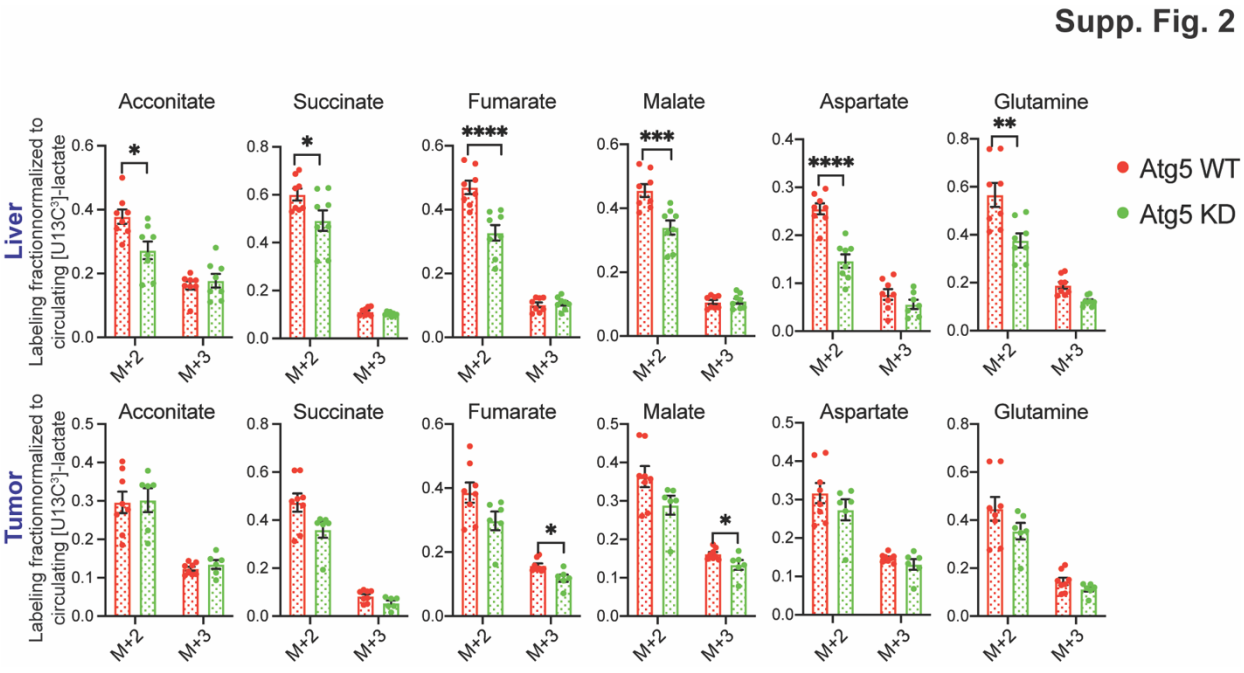
Supplementary Figures

Supp_Fig. 1



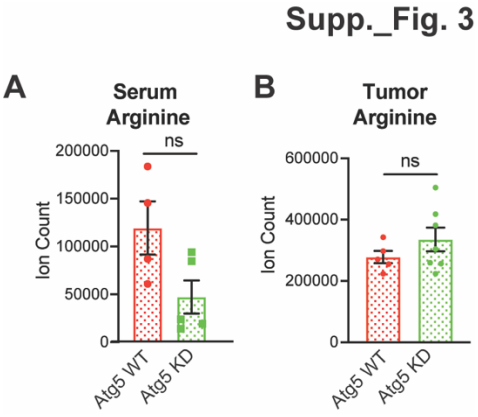
Supplementary figure 1. Representative immunohistochemistry (IHC) for Atg5 of the lung tumors from WT mice, tumor specific-Atg5 knockdown mice and systemic Atg5 knockdown mice at low magnification.



Supplementary figure 2. Carbon contribution from lactate to TCA cycle metabolites of liver and lung tumors in WT and systemic Atg5 knockdown mice.

M+2, and M+3 isotopomers fractions of TCA cycle metabolites in liver and lung tumors of WT and systemic Atg5 knockdown mice in fasted state.

Labeling fraction are normalized to circulating serum [$U^{13}C3$]-lactate. Data are mean± s.e.m. n.s., P>0.05; * P<0.05; ** P<0.01; *** P<0.005; **** P<0.001



Supplementary figure 3. Short-term systemic Atg5 knockdown does not alter circulating and tumor arginine levels.

A. Serum arginine level of WT and systemic Atg5 knockdown mice after 6 weeks' Dox treatment.

B. Level of arginine in KP lung tumors of WT and systemic Atg5 knockdown mice after 6 weeks' Dox treatment.

Data are mean± s.e.m. n.s., P>0.05.