

**Figure S1** Immunohistochemical analysis of indicated proteins in the liver or tumor tissues from mice receiving HDI of pKT2/CLP-AKT, pT/Caggs-NRASV12 and pCMV(CAT)T7-SB100. Tissues were collected at day 30 or 45 (fatty change) or day 58 (tumor) post HDI. (**A**) CD4 staining, (**B**) CD8 staining, (**C**) CD19 staining, (**D**)  $\alpha$ -SMA staining, and (**E**) CD31 staining of the liver/tumor tissues were shown. Scale bars, 100 or 20  $\mu m$