



Fig. S13. Hepatocyte-specific overexpression of CMPK2 significantly blocked the hepatoprotective effects of ACT against HIRI. (A) Immunofluorescence staining for **ZsGreen (488 nm) and DAPI (405 nm)**. Scale bar = 100 μm. (B) Serum level of AST and TC. (C) Immunofluorescence staining for **ROS (488 nm) and DAPI (405 nm)**. Scale bar = 100 μm. (D) MDA and GSH content in mouse liver. (E) The mRNA levels of *Hmgb1*, *Tlr2* and *p-NF-κB* were normalized with *Hprt1* in mouse livers. (F) The protein expression of TLR9, TLR2, ACOT2, DUOX2 and HMGB1 in mouse livers were normalized with β-ACTIN. Statistical significance: * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, compared with Sham + AAV_{ev} groups; \$ $p < 0.05$, \$\$ $p < 0.01$, \$\$\$ $p < 0.001$, compared with the HIRI + AAV_{CMPK2} group (n = 6).