

Generation of a Novel PI3K-Driven Intrahepatic Cholangiocarcinoma Mouse Model and Evaluation of Synergistic Antitumor Effects of Combined PI3K and WEE1 Inhibition.

Supplementary Information

Supplementary Figure 1.

(A) *Foxa3*-Cre/+; R26-*Pik3ca*^{H1047R}, (B) *Foxa3*-Cre/+; *Pten*^{flox/flox}, and (C) *Foxa3*-Cre/+; *Trp53*^{flox/flox} single mutant mice did not develop CCA at 4–5 months of age (scale bar, 50 μ m).

Supplementary Figure 2.

Allograft tumors were established in NOD/ShiJic-scidJel mice using tumors derived from *Foxa3*-Cre/+; *LSL-ROSA26-Pik3ca*^{H1047R/+}; *Trp53*^{flox/flox}, and *Foxa3*-Cre/+; *Pten*^{flox/flox}; *Trp53*^{flox/flox} mouse models (scale bar, 50 μ m).

Supplementary Figure 3A-C.

(A)HuCCCT1, (B)HuH28, (C)Pik; Trp53

Full images of the Western blotting assays shown in Figure 4A.

The areas enclosed by black frames were used in Figure 4A. Molecular sizes (kDa) are indicated on the right side of each membrane. These blots were cut prior to antibody incubation.

In Figure S3A (T-AKT, T-CDK1, and β -actin), the rightmost lanes were excluded due to technical issues.

In Figure S3B (T-S6K1), the two leftmost lanes were excluded due to technical issues.

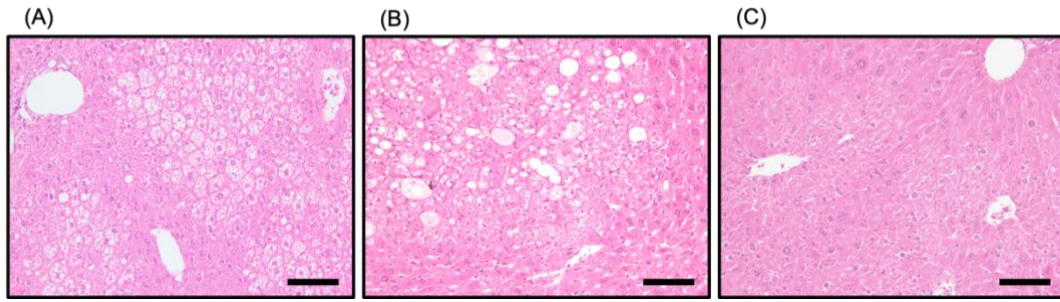


Figure S1.

(A) *Foxa3-Cre/+; R26-Pik3ca^{H1047R}*, (B) *Foxa3-Cre/+; Pten^{flox/flox}*, and (C) *Foxa3-Cre/+; Trp53^{flox/flox}* single mutant mice did not develop CCA at 4–5 months of age (scale bar, 50 μ m).

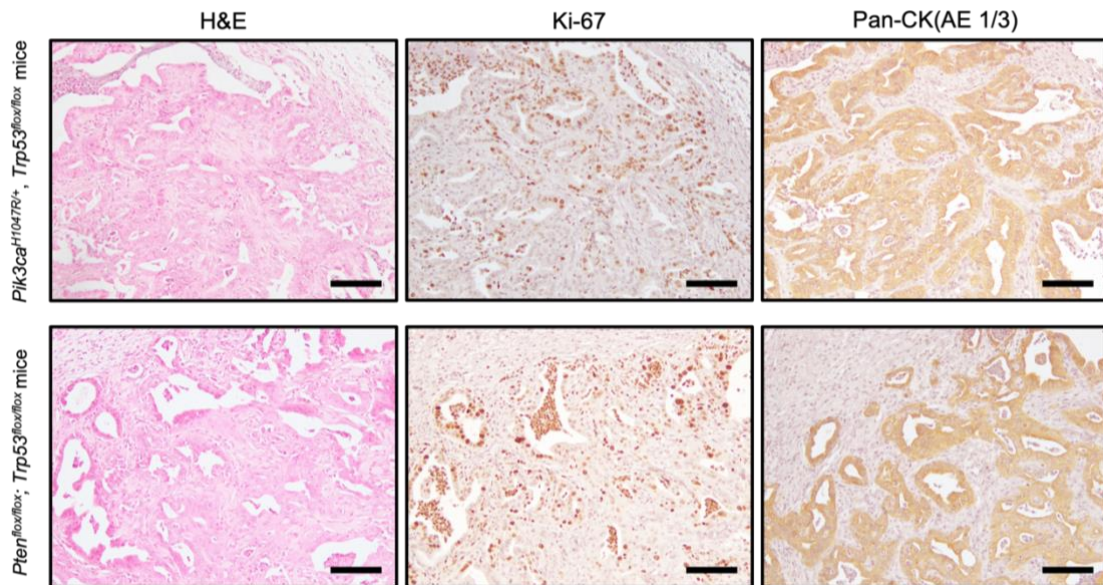


Figure S2.

Allograft tumors were established in NOD/ShiJic-scidJcl mice using tumors derived from *Foxa3-Cre/+; LSL-ROSA26-Pik3ca^{H1047R/+}; Trp53^{flox/flox}*, and *Foxa3-Cre/+; Pten^{flox/flox}; Trp53^{flox/flox}* mouse models (scale bar, 50 μ m).

Figure S3A.

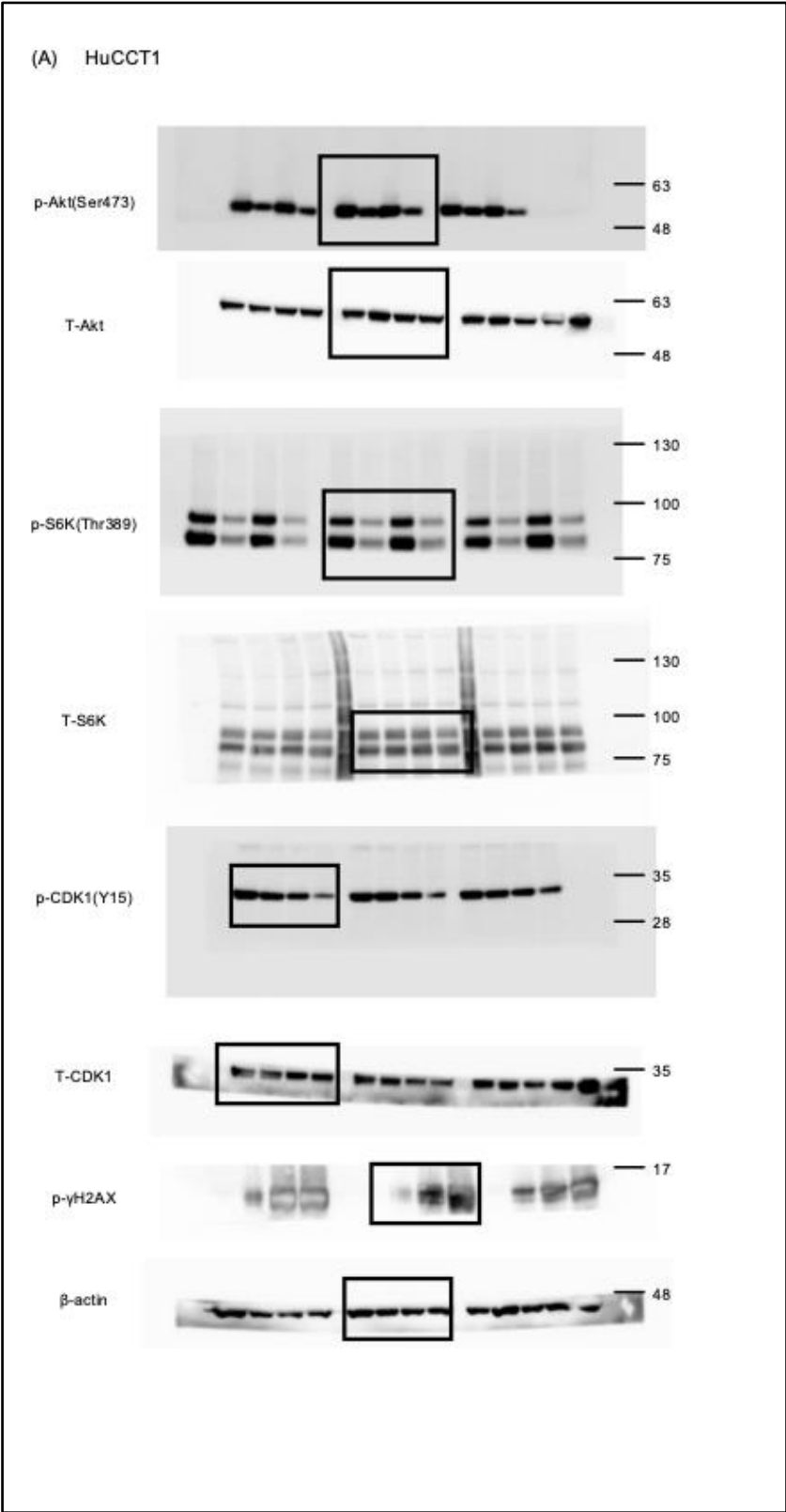


Figure S3B.

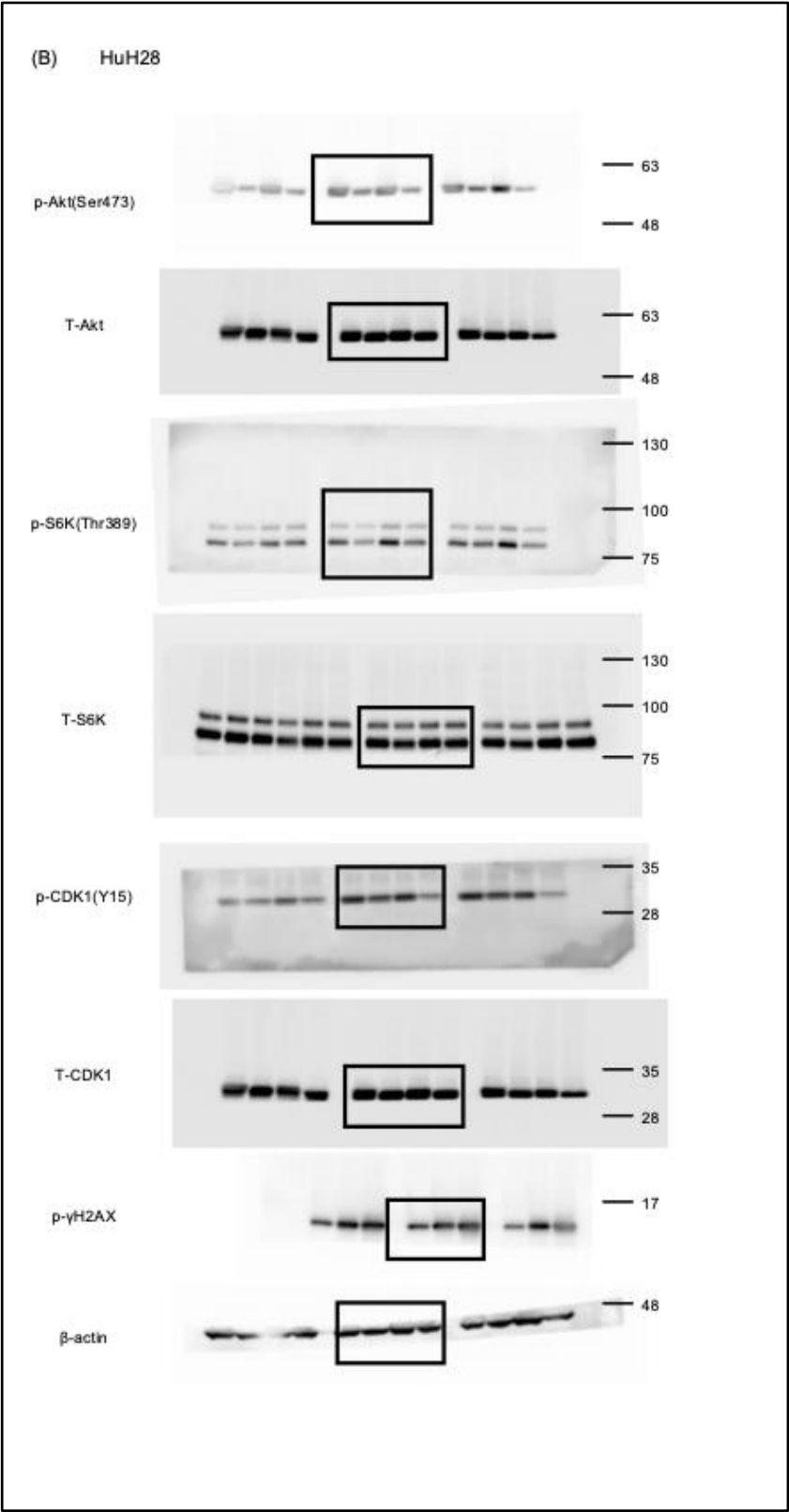


Figure S3C.

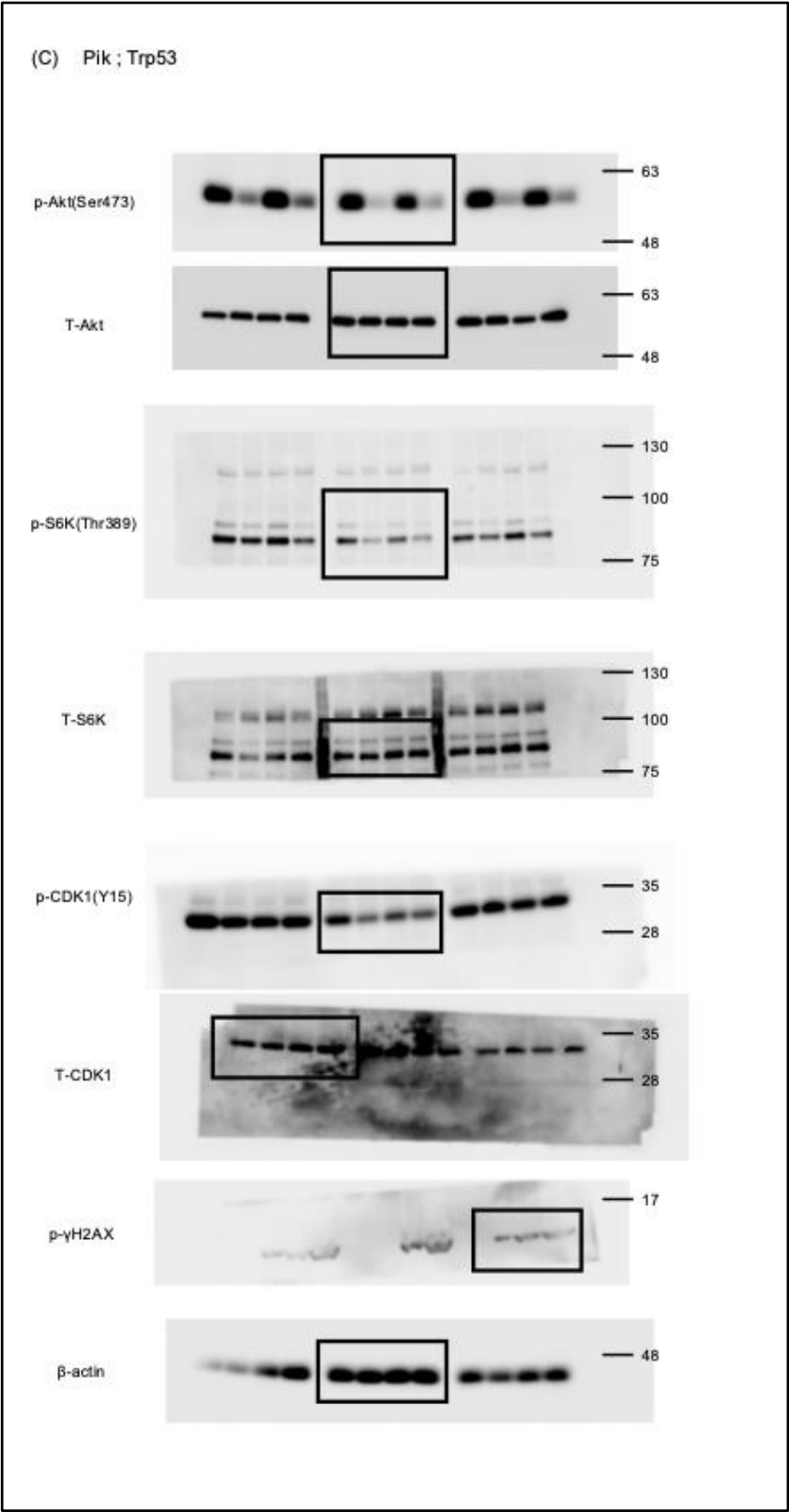


Figure S3A-C.

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