Supporting Information

Metabolic flexibility maintains proliferation and migration of FGFR signaling-deficient lymphatic endothelial cells

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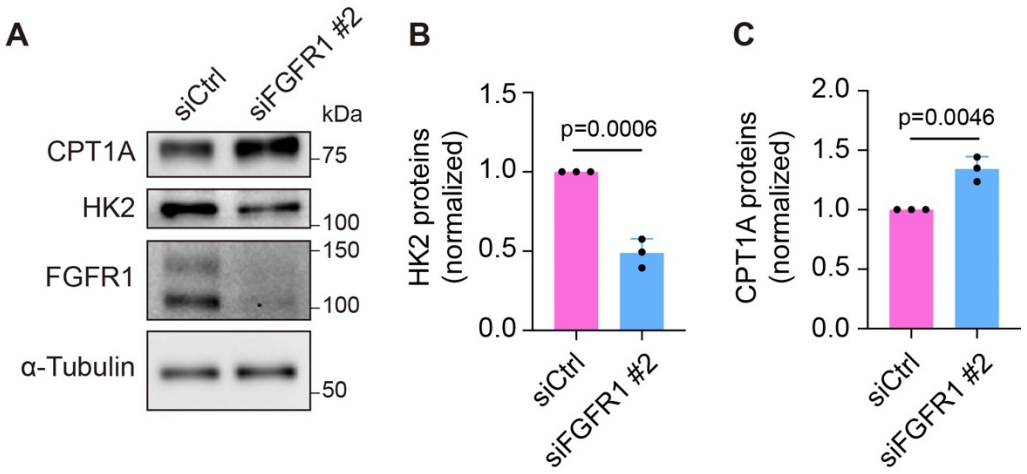
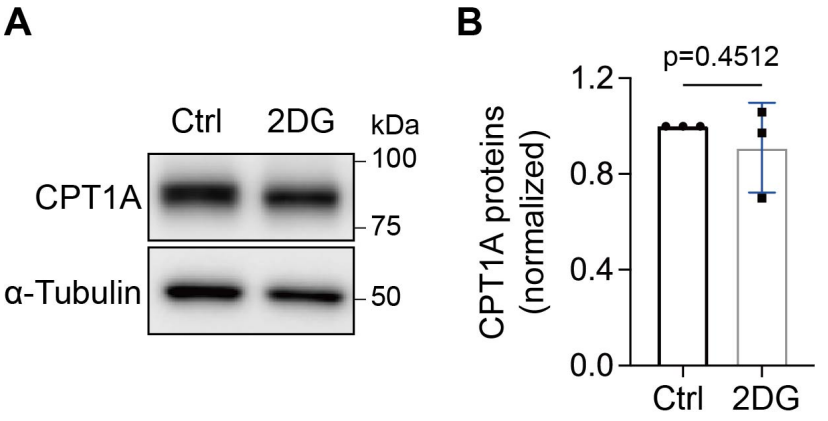
List of Supporting Information

Supplemental Figure 1



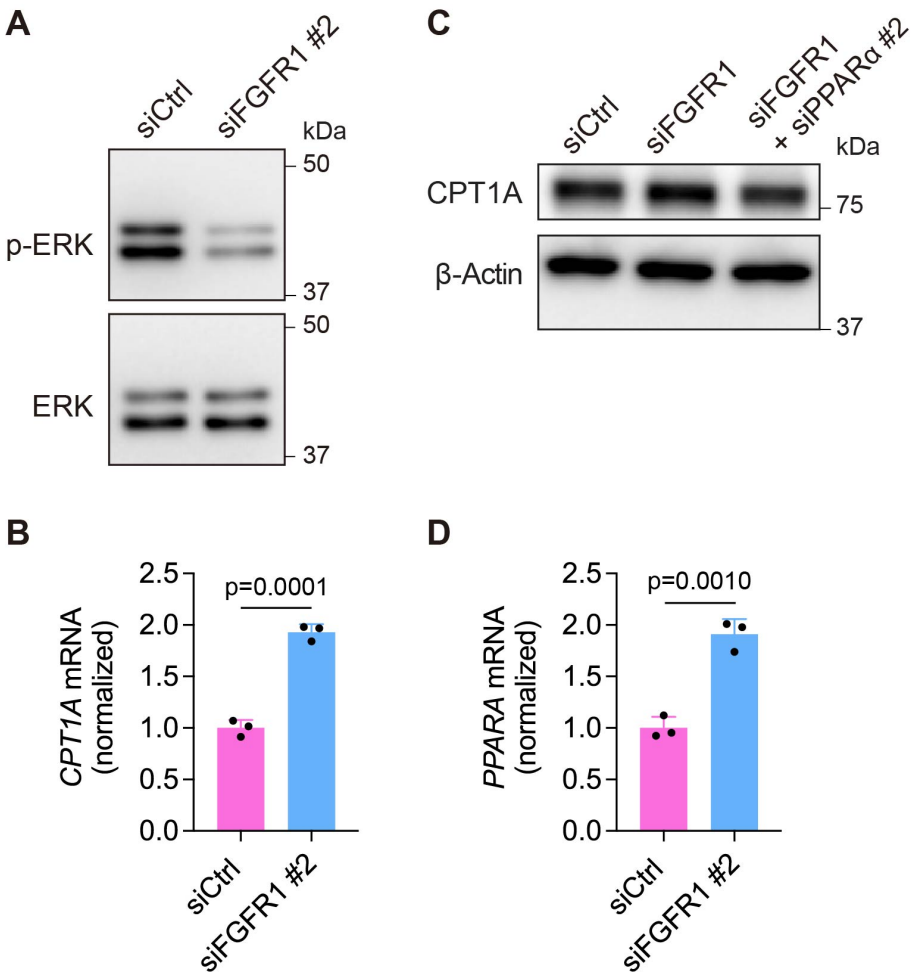
Supplemental Figure 1: Confirmation of the effect of FGFR1 knockdown on HK2 and CPT1A expression using a second siRNA. (**A**) Western blot analysis of CPT1A, HK2, and FGFR1 proteins in HDLECs transfected with control siRNA or a second siRNA targeting FGFR1. α-Tubulin served as a loading control. (**B**, **C**) Densitometric quantification of HK2 proteins (n=3 independent experiments) (**B**) and CPT1A proteins (n=3 independent experiments) (**C**). Data represent mean ± s.d.; p values were calculated by unpaired *t*-test.

Supplemental Figure 2



Supplemental Figure 2: Inhibition of glycolysis per se does not affect CPT1A expression. (**A, B**) Western blot analysis (**A**) and densitometric quantification (n=3 replicates from two independent experiments) (**B**) of CPT1A proteins in HDLECs treated with vehicle or 2DG. α-Tubulin served as a loading control. Data represent mean ± s.d.; the p value was calculated by unpaired *t*-test.

Supplemental Figure 3



Supplemental Figure 3: Confirmation of the effect of FGFR1 or PPARα knockdown using a second siRNA. (**A**) Western blot analysis of phosphorylated ERK1/2 (Thr202/Tyr204) and total ERK1/2 in HDLECs transfected with control siRNA or a second siRNA targeting FGFR1 (representative of three independent experiments). (**B**) qPCR analysis of *CPT1A* mRNA in HDLECs transfected with control siRNA or a second siRNA targeting FGFR1 (n= 3 technical replicates; representative of two independent experiments). (**C**) Western blot analysis of CPT1A expression in HDLECs transfected control siRNA, FGFR1 siRNA, or a combination of FGFR1 siRNA and a second siRNA targeting PPARα. β-actin was examined as a loading control. The result is representative of two independent experiments. (**D**) qPCR analysis of *PPARA* mRNA in HDLECs transfected with control siRNA or a second siRNA targeting FGFR1 (n= 3 technical replicates; representative of two independent experiments). Data represent mean ± s.d.; p values were calculated by unpaired *t*-test.