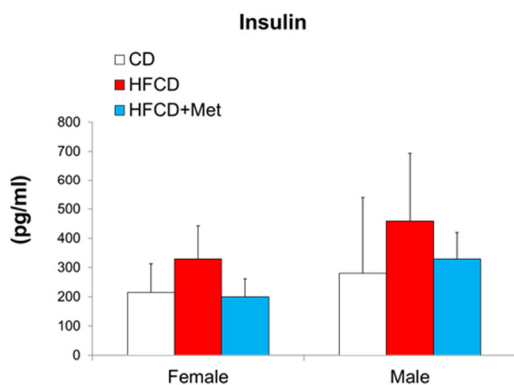


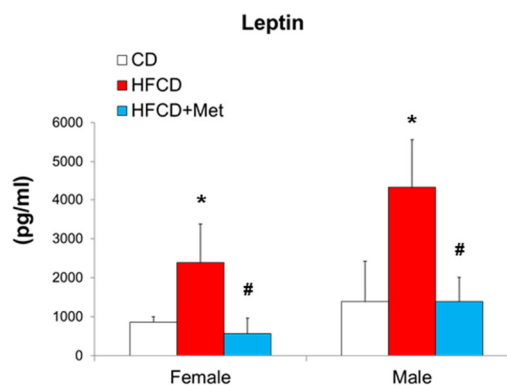
Metformin Decreases the Incidence of Pancreatic Ductal Adenocarcinoma Promoted by Diet-induced Obesity in the Conditional KrasG12D Mouse Model

Hui-Hua Chang, Aune Moro, Caroline Ei Ne Chou, David W. Dawson, Samuel French, Andrea I. Schmidt, James Sinnott-Smith, Fang Hao, O. Joe Hines, Guido Eibl*, and Enrique Rozengurt* (* Dual senior authorship).

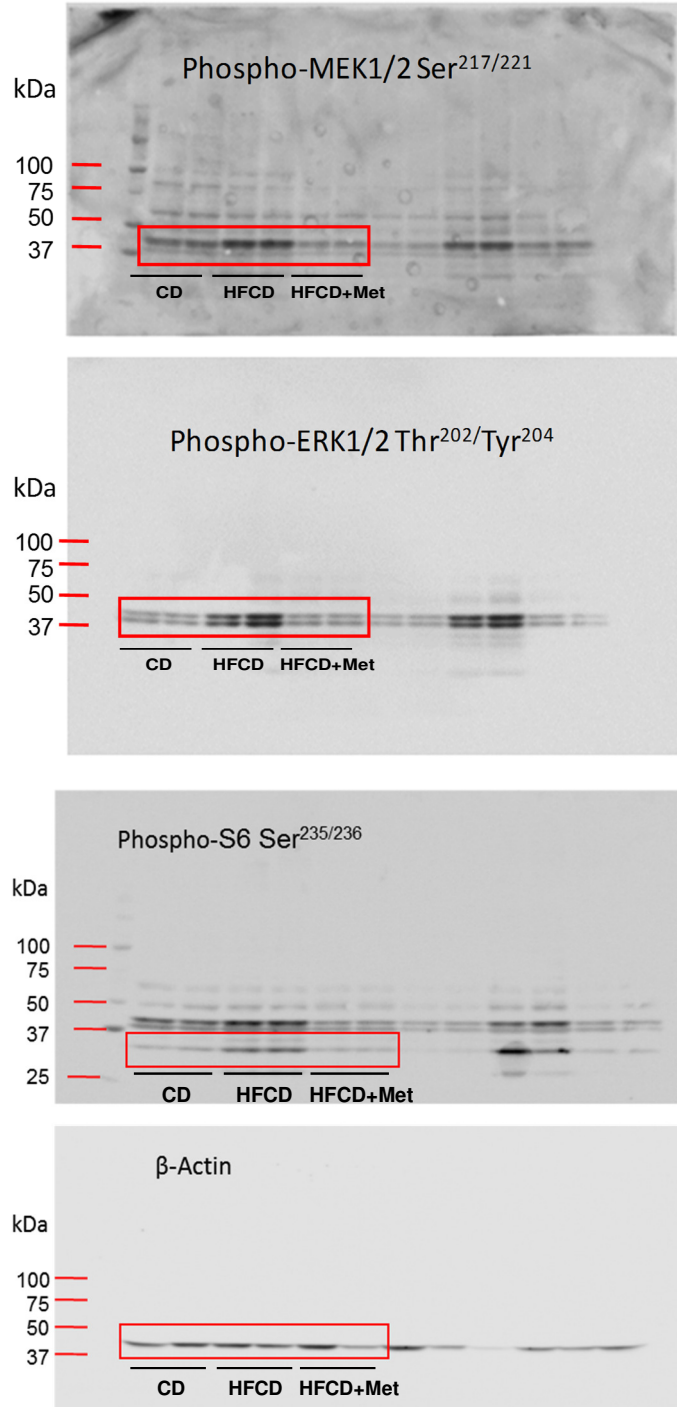
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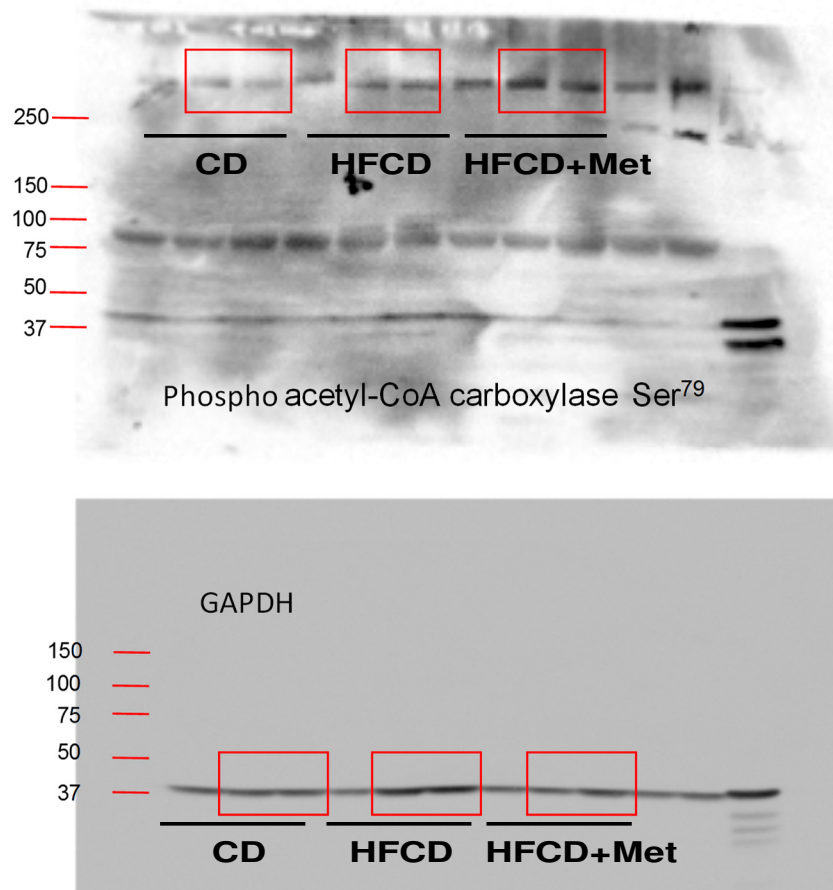
b



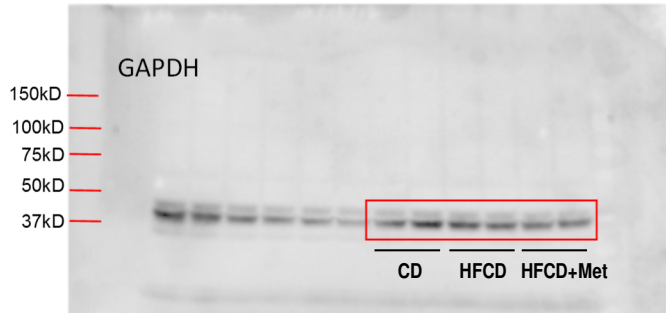
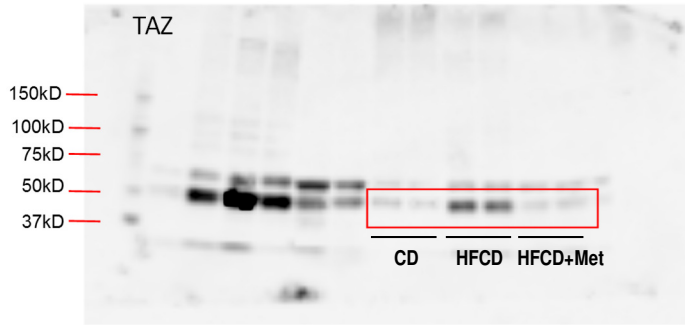
Supplementary Figure S1. Plasma concentrations (pg/ml) of insulin (**a**) and leptin (**b**) in female and male KC mice fed the CD, HFCD, or HFCD plus metformin (5 mg/ml in drinking water) at 3 months. Values are mean \pm s.d. *; $p < 0.05$ vs. CD, #; $p < 0.05$ vs. HFCD.



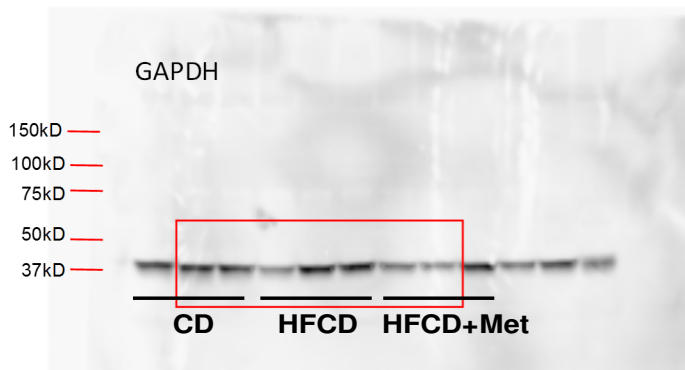
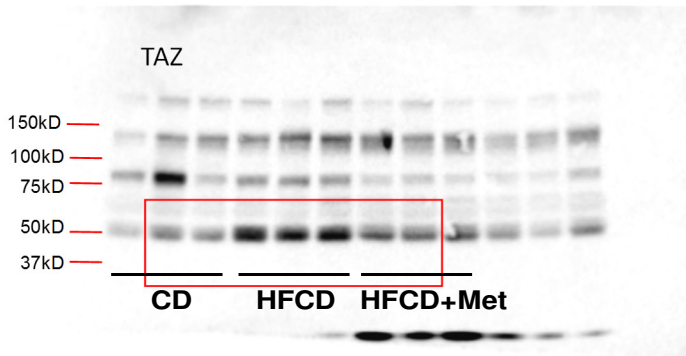
Supplementary Figure S2. Uncropped images for Figure 3a (Part A). Red outlines represent lanes shown in **Figure 3a**. All immunoblots were visualized via an LAS-4000 mini chemiluminescence image analyzer (Fujifilm Life Sciences, Tokyo, Japan).



Supplementary Figure S2. Uncropped images for Figure 3a (Part B). Red outlines represent lanes shown in **Figure 3a**. All immunoblots were visualized via an LAS-4000 mini chemiluminescence image analyzer (Fujifilm Life Sciences, Tokyo, Japan).



Uncropped images for Figure 5a



Uncropped images for Figure 5b

Supplementary Figure S3. Uncropped images for Figure 5a and 5b. Red outlines indicate lanes shown in **Figure 5a** and **5b**. All immunoblots were visualized via an LAS-4000 mini chemiluminescence image analyzer (Fujifilm Life Sciences, Tokyo, Japan).