

Supplemental Information

DUSP5 functions as a feedback regulator of TNF α -induced ERK1/2 dephosphorylation and inflammatory gene expression in adipocytes

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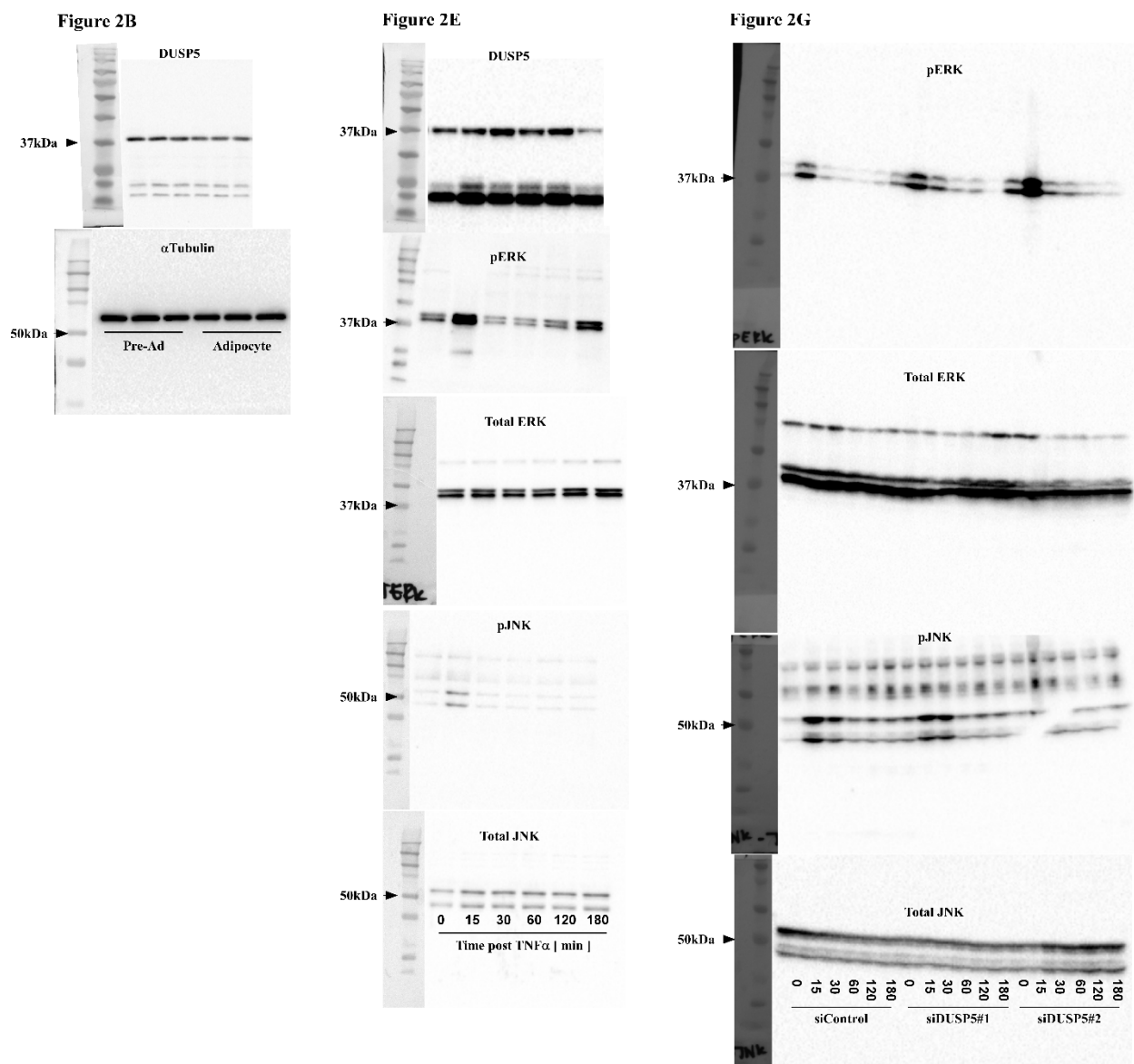
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Supplementary Figure S1. Uncropped images from Figure 2B, E & G. All immunoblots were visualized via ChemiDoc XRS+ imager (BioRad). Densitometry was performed using Image J software and statistical analyses conducted via GraphPad Prism software.

Western blot analysis showing the phosphorylation of ERK, JNK, and p38 in response to TNFα treatment. The blots are arranged in a grid. The first column shows pERK (37 kDa), Total ERK (37 kDa), pJNK (50 kDa), Total JNK (50 kDa), and p-c-Jun (50 kDa). The second column shows Total c-Jun (50 kDa), p-p38 (37 kDa), Total p38 (37 kDa), and p-MAPKAPK2 (50 kDa). The blots are labeled with 'pERK', 'Total ERK', 'pJNK', 'Total JNK', 'p-c-Jun', 'Total c-Jun', 'p-p38', 'Total p38', and 'p-MAPKAPK2'. Molecular weight markers are indicated on the left of each blot. The blots show that TNFα treatment increases the phosphorylation of ERK, JNK, and p38, and that this effect is inhibited by ERKi and JNKi. p38i also inhibits the TNFα-induced phosphorylation of c-Jun.

Supplemental Figure S2. Uncropped immunoblots of Figure 4A, C & E. All immunoblots were visualized via ChemiDoc XRS+ imager (BioRad). Densitometry was performed using Image J software and statistical analyses conducted via GraphPad Prism software.

Figure 5B

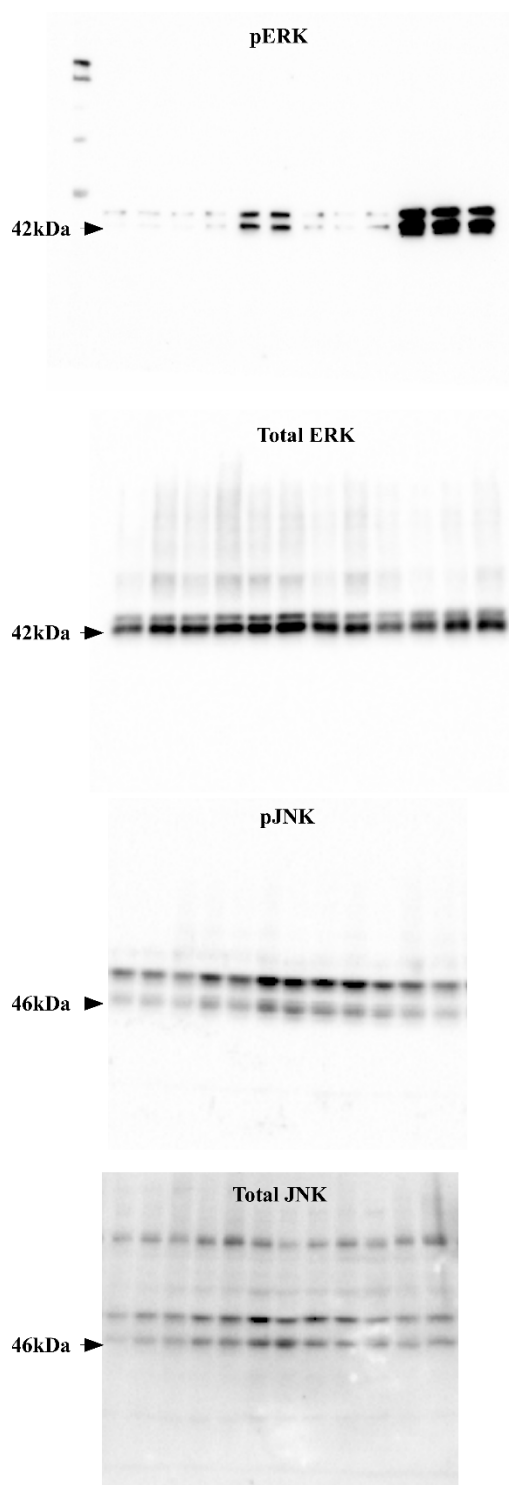
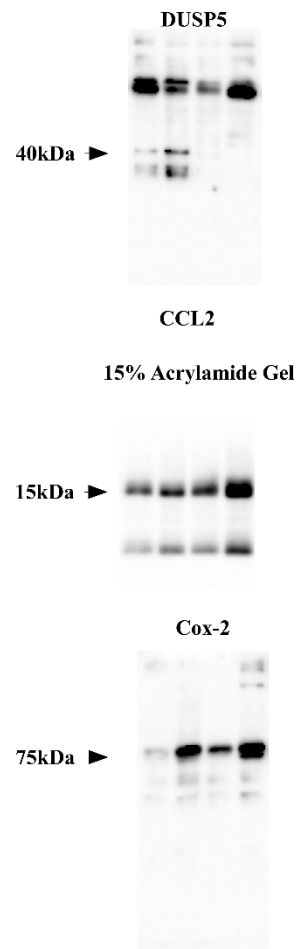


Figure 5E



Supplemental Figure S3. Uncropped immunoblots of Figure 5B & E. All immunoblots were visualized via ChemiDoc XRS+ imager (BioRad). Densitometry was performed using Image J software and statistical analyses conducted via GraphPad Prism software.