

## Supplementary Information

### **Induction of glucose uptake in skeletal muscle by central leptin is mediated by muscle $\beta_2$ -adrenergic receptor but not by AMPK**

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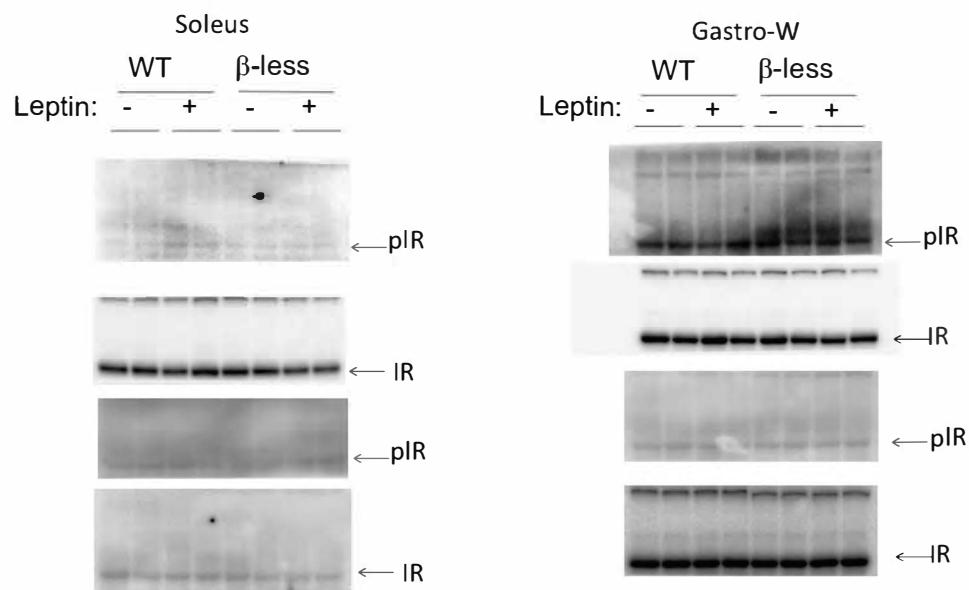
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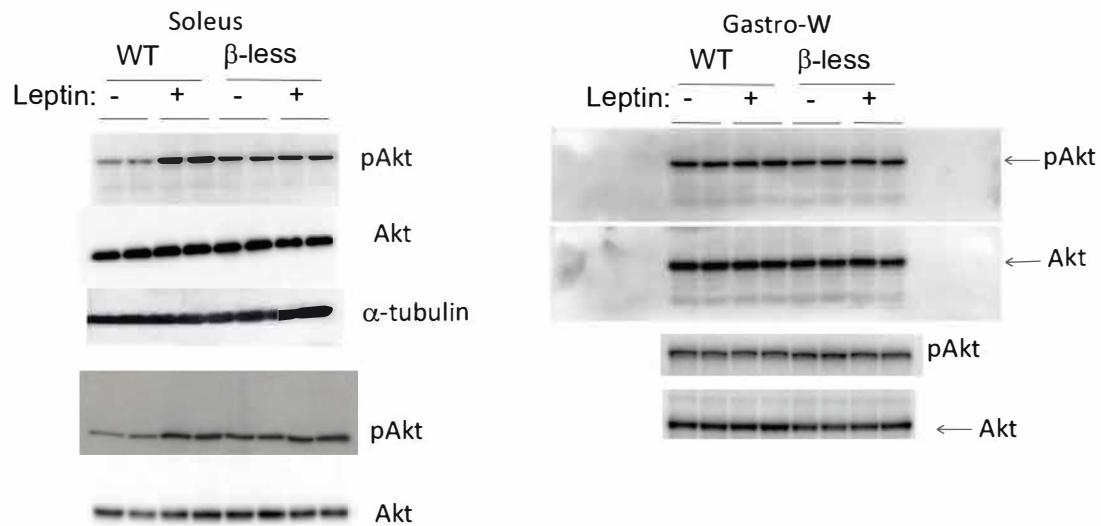
<sup>4</sup>Nutritional Science Program, National Institute of Health and Nutrition, Tokyo 162-8636, Japan

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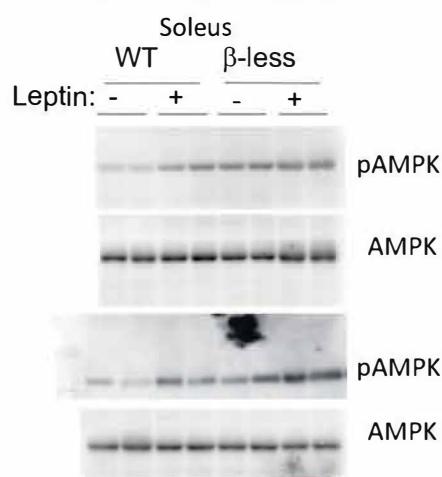
**Fig. 2a**



**Fig. 2b**

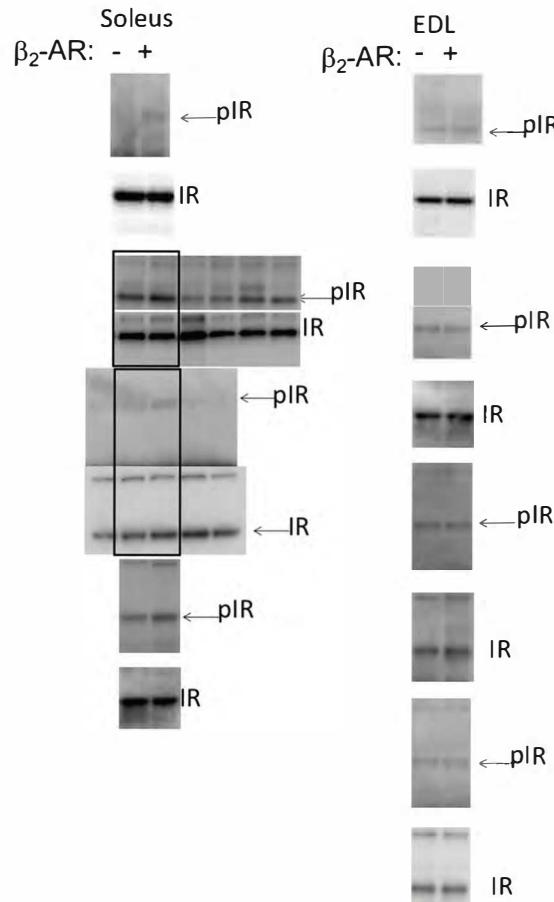


**Fig. 2c**

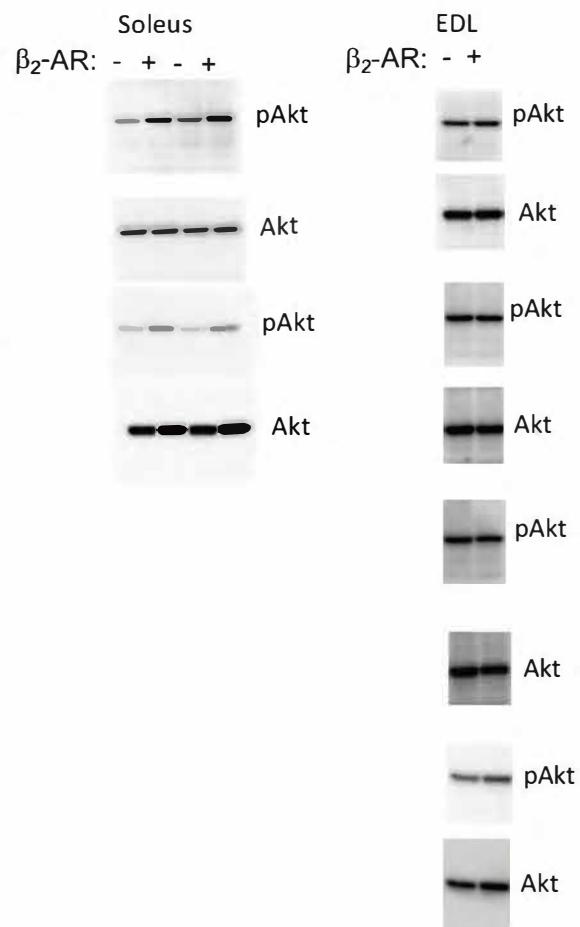


**SI Figure 1.** All immunoblots used for quantification in Figures 2a, 2b, and 2c.

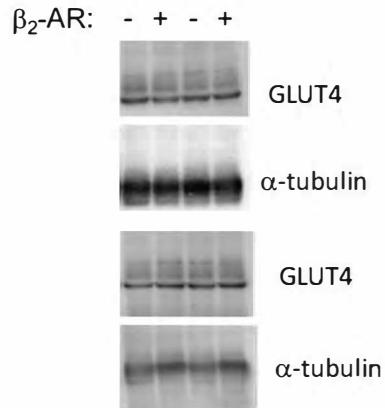
**Fig. 3c**



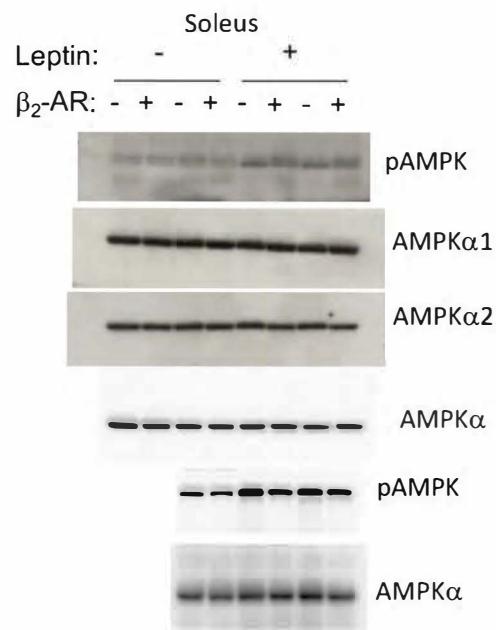
**Fig. 3d**



**Fig. 3e**

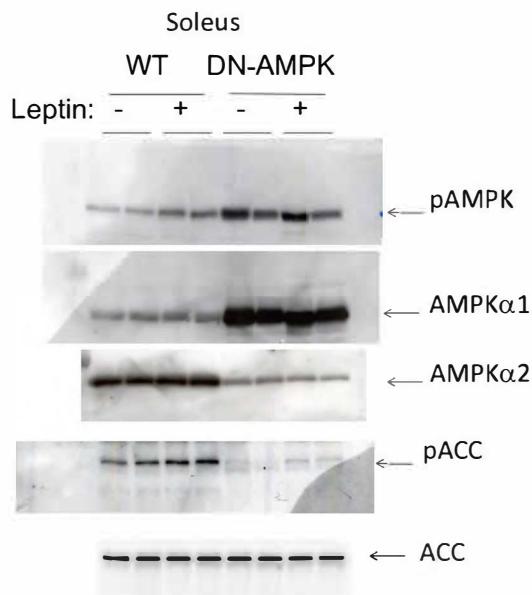


**Fig. 3f**

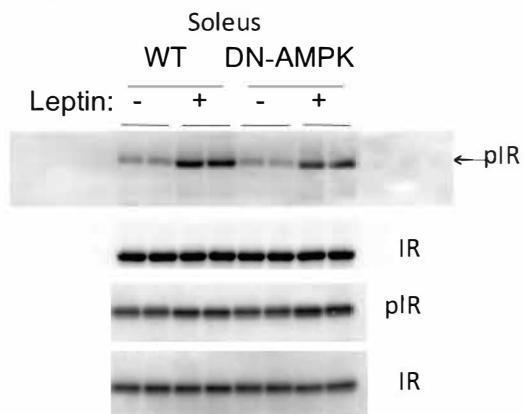


**SI Figure 2. All immunoblots used for quantification in Figures 3c, 3d, 3e, and 3f.**

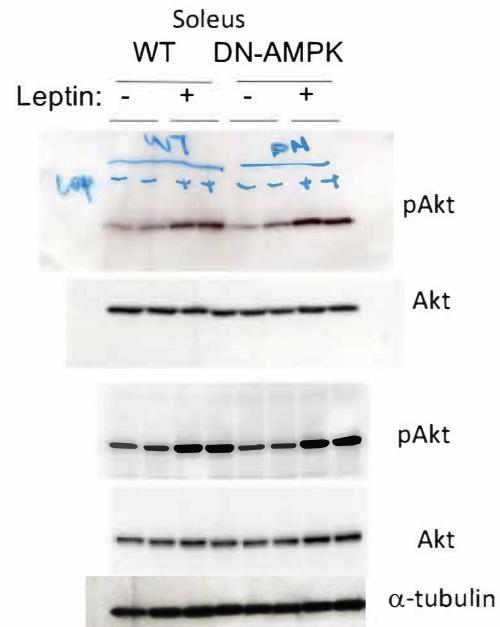
**Fig. 4a**



**Fig. 4c**



**Fig. 4d**



**SI Figure 3.** All immunoblots used for quantification in Figures 4a, 4c, and 4d.