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The increase in fiber size in male rat gastrocnemius after chronic central leptin infusion is related to activation of insulin signaling

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**Abbreviation list:** Acc $\beta$ , acetyl-CoA carboxylase beta; AMPK, AMP-activated protein kinase; Cpt1b, carnitine palmitoyltransferase 1b; CREB, cyclic AMP response element-binding protein; CSA, cross-sectional area; DU, densitometry units; ERK, extracellular signal-regulated kinase; Fasn, fatty acid synthase; GLUT4, glucose transporter 4; GSK3 $\beta$ , glycogen synthase kinase 3 $\beta$ ; IL, interleukin; IR $\beta$ , insulin receptor beta chain; MFI, median fluorescent intensity; mTOR, mechanistic target of rapamycin; Myog, myogenin; NEFA, non-esterified fatty acid; PCNA, proliferating cell nuclear antigen; PEPCK, phosphoenolpyruvate carboxykinase; PI3K, phosphatidylinositol 3-kinase;

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