

Supplementary Materials

Table S1. Primer sequences used in this study.

Gene name	Primer name	Primer sequence (5'-3')	Size (bp)	Tm (°C)
ACC	ACC-F	CCGTCTGTGATGACTTTGA	191	57
	ACC-R	CTTTCTGGGTTGGGTGAG		
FASN	FASN-F	CTGCTCAGTGGGCTCCTCA	187	60.4
	FASN-R	TGGCGGTCAGTGGCTATGT		
SREBP-1	SREBP1-F	CTGCTGACCGACATAGAAGACAT	81	59.6
	SREBP1-R	GTAGGGCGGGTCAAACAGG		
C/EBP α	CEBP-F	GGCAACGACTTTGACTACCCG	208	62.5
	CEBP-R	TGCTTCGCTTCGTCTCC		
PPAR γ	PPAR1-F	GTGTCACTCCTGAACGAAAT	156	60
	PPAR1-R	GGAAATGCTGGAGAAGTCAA		
FABP4	FABP4-F	ACTGGGATGGGAAATCAACC	117	59
	FABP4-R	CCTTGGCTTATGCTCTCTCG		
PPIA	PPIA-F	AAGTCCCGAAGACAGCAGAA	209	60
	PPIA-R	GATGCCAGGACCTGTATGCT		

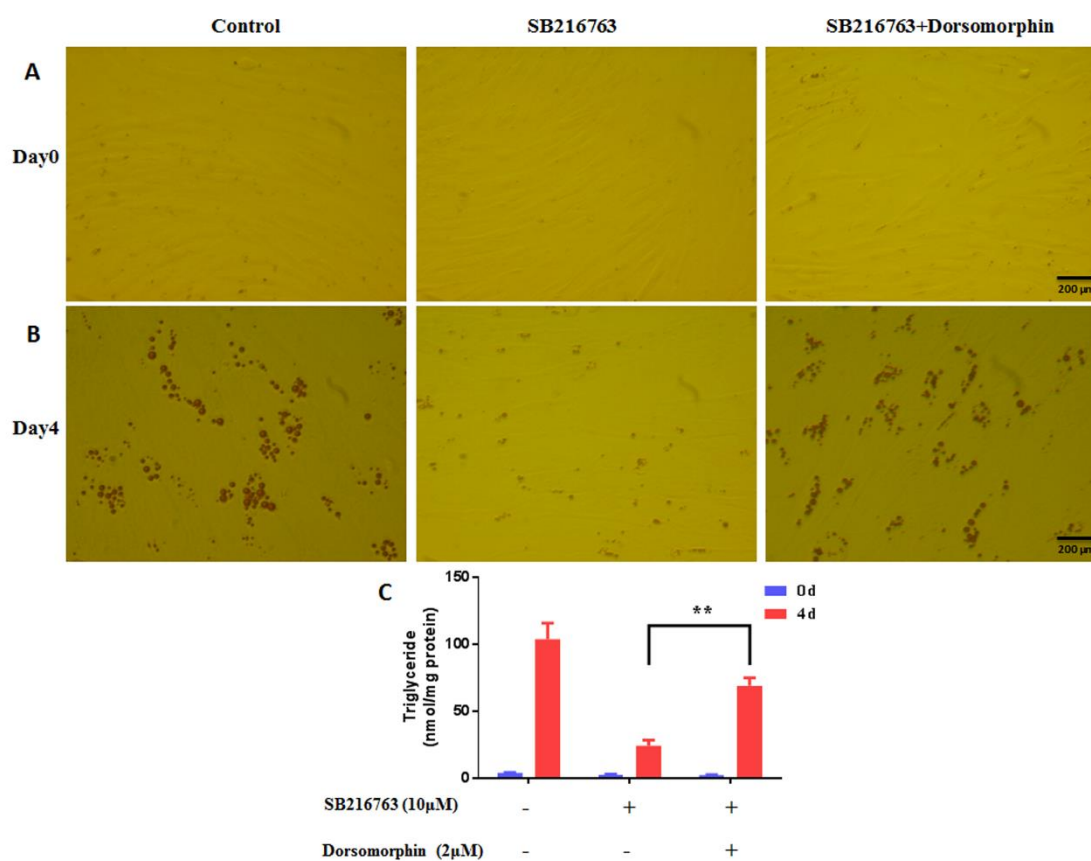


Figure S1. Inhibition of AMPK by Dorsomorphin can rescue the ectopic lipid deposition observed in muscle satellite cells. (A,B) Cells were fixed and stained with Oil Red O with SB216763/Dorsomorphin treatment for 0 and 4 days after adipogenic differentiation. (C) Quantitative analysis of TG content after the SB216763/Dorsomorphin treatment. Error bars represent the SEMs of three separate experiments. **p < 0.01; *p < 0.05 relative to SB216763 treatment group.