

**Table S1: List of antibodies used for Western blot analysis.**

<b>Antibodies</b>	<b>Dilution used</b>	<b>Source</b>	<b>Catalog no.</b>
<i><b>Primary antibodies</b></i>			
C/EBP- $\alpha$	1:2,000	Santa Cruz Biotechnology	sc-61
PPAR- $\gamma$	1:2,000	Santa Cruz Biotechnology	sc-7272
Perilipin A	1:2,000	BioVision	#3948-200
FAS	1:2,000	BD Bioscience	#9452
p-AMPK (T172)	1:2,000	Cell signalling	#2535
AMPK	1:2,000	Cell signalling	#2793
p-ACC (S79)	1:2,000	Cell signalling	#3661
ACC	1:2,000	Cell signalling	#3662
p-LKB-1 (S428)	1:2,000	Cell signalling	#3482
LKB-1	1:2,000	Cell signalling	#3047
p-HSL (S563)	1:2,000	Cell signalling	#4139
p-HSL (S660)	1:2,000	Cell signalling	#4126
HSL	1:2,000	Cayman chemical	#10006371
p-ERK1/2 (Thr202/Tyr204)	1:2,000	Cell signalling	#9101
ERK1/2	1:2,000	Cell signalling	#4695
p-PKA	1:2,000	Santa Cruz Biotechnology	sc-377575
PKA	1:2,000	Santa Cruz Biotechnology	sc-365615
Phospho-CK2 Substrate [(pS/pT)DXE]	1:2,000	Santa Cruz Biotechnology	#8738
CK-2 $\alpha$	1:2,000	Santa Cruz Biotechnology	#2656
S6	1:5,000	Cell signalling	#2217
<i><b>Secondary antibodies</b></i>			
Goat anti-rabbit IgG-HRP	1:5000	Jackson ImmunoResearch	111-035-045
Goat anti-mouse IgG-HRP	1:5000	Jackson ImmunoResearch	115-035-062

**Table S2: Sequences of primers used for quantitative real-time PC**

<b>Gene</b>	<b>Forward</b>	<b>Reverse</b>
C/EBP- $\alpha$	TTACAACAGGCCAGGTTTCC	CTCTGGGATGGATCGATTGT
PPAR- $\gamma$	GGTGAAACTCTGGGAGATTC	CAACCATTGGGTCAGCTCTC
FAS	TTGCTGGCACTACAGAATGC	AACAGCCTCAGAGCGACAAT
Perilipin A	CTTTCTCGACACACCATGGAAAC	CCACGTTATCCGTAACACCCTTCA
Leptin	CCAAAACCCTCATCAAGACC	CTCAAAGCCACCACCTCTGT
Resistin	CCGATGAGCAGTCA CCTCCA	CAGCTGCTTCGCCTCGTCCTCCT
18S rRNA	GGTGAAGGTCGGTGTGAACG	GGTAGGAACACGGAAGGCCA