

SUPPLEMENTARY TABLES

Supplementary Table 1. Primer sequences used in Quantitative RT-PCR.

Gene	Forward Primer	Reverse Primer
ATGL	GTGCCAACATTATTGA GGTG	GAAACACGAGTCA GGGG AAT
ATF6	TCGCCTTTTA GTCCGGTCTT	GGCTCCATA GGTCTGACTCC
β -actin	AGCCATGTACGTA GCCATCC	GCTGTGGTGGT GAA GCTGTA
BIP	GACTGCTGA GGCATTTTGG	AGCATCTTTGGTTGCTTGTCTG
CD206	TTGATTGCCA CTTTTGAA GATACC	TGAGACCTACCA CCA GTGTA GCA
C/EBP α	CTGGGTGA GTTCATGGA GAATG	CCTACCAATGGCTAACTCA CAAC
C/EBP β	TGACGCAACA CACGTGTA ACTG	ATCAACAACCCCGCA GGAA
CHOP	AAGCCTGGTATGA GGATCTGC	TTCCTGGGGATGA GATATA GGTG
CREB	TTGAGGTCCGGTGA GATTCC	TGTGAGTGCTGGA GTAAAACA GTCA
FOXO1	ATGCTCAATCCA GA GGGAGG	ACTCGCAGGCCACTTA GAAAA
G6pc2	CAGGAGGACTA CCGGA CTTAC	TCAACTGAAACCAAAGTGGGAA
GLUT4-mouse	A CACTGGTCTTA GCTGTATTCT	CCAGCCACGTTGCATTGTA
GLUT4-human	ATCCTTGGA CGATTCTCATTGG	CAGGTGA GTGGGA GCAATCT
HSL	GACTCACCGCTGACTTCC	TGTCTCGTTGCGTTTGTAG
LNK-mouse	CCAATGTGGCGATA GA GAAAAGGTA AAG	CAAACCTCAGGTCA GCCTCTACATA GC
LNK-human	AATAGGAGGGTGGCAA GAACA G	TCCCCTAGCCCCA GTTAATTTAA
MCP-1	CTTCTCCACCA CCATGCA	AGCCGGCAACTGTGAACA G
PEPCK	AGCATTCAACGCCA GGTTCC	CGAGTCTGTCA GTTCAATACCAA
PPAR γ	GCCCACCAACTTCGGAATC	TGCGA GTGGTCTTCCATCAC
SREBP-1	CCAGAGGGTGA GCCTGCA A	AGCCTCTGCAATTTCCA GATCT
Trem2	CTGGAACCGTCA CCATCA CTC	CGAAACTCGATGACTCCTCGG

ATGL, adipose triglyceride lipase; ATF6, activating transcription factor 6; BIP, binding immunoglobulin protein; CD206, cluster of differentiation 206; C/EBP α , CCAAT/enhancer binding protein alpha; C/EBP β , CCAAT/enhancer binding protein beta; CHOP, C/EBP homologous protein; CREB, cAMP-response element binding protein; FOXO1, forkhead box class O1; G6pc2, glucose-6-phosphatase 2; GLUT4, glucose transporter 4; HSL, hormone-sensitive lipase; MCP-1, monocyte chemotactic protein-1; PEPCK, phosphoenolpyruvate carboxykinase; PPAR γ , peroxisome proliferator-activated receptor gamma; SREBP-1, sterol-regulator element-binding protein-1; Trem2, triggering receptor expressed on myeloid cells 2.

Supplementary Table 2. Antibodies used in Western blot.

Protein	Company	Product Code	Dilution	Application
Akt	Cell Signaling Technology	4685	1:1000	WB
Akt (Ser473)	Cell Signaling Technology	4060	1:1000	WB
AS160 (Thr642)	Cell Signaling Technology	8881	1:1000	WB
β -actin	Proteintech	66009-1-Ig	1:1000	WB
GLUT4	Cell Signaling Technology	2213S	1:1000	WB
GLUT4	Servicebio	GB11244	1:500	IHC
IRS1	Cell Signaling Technology	2382	1:1000	WB
IRS1 (Ser307)	Abclonal	AP0552	1:1000	WB
LNK	Santa Cruz Biotechnology	sc-393709	1:1000	WB
LNK	Abcam	ab 244278	1:50	IHC
PI3K	Cell Signaling Technology	4292	1:1000	WB
PI3K (p85(Tyr458)/ p55(Tyr199))	Cell Signaling Technology	4228	1:1000	WB

AS160, Akt substrate of 160 kDa; GLUT4, glucose transporter 4; IRS1, insulin receptor substrate 1; PI3K, phosphatidylinositol 3-kinase.