

Supplementary Table S1.
Real time Q-PCR primer sequences

Gene	Forward 5'->3'	Reverse 5'->3'
Adipoq	GAT GGC ACT CCT GGA GAG AA	TCT CCA GGC TCT CCT TTC CT
Ccr7	AAA GCA CAG CCT TCC TGT GT	AGT CCA CCG TGG TAT TCT CG
CD137	CGT GCA GAA CTC CTG TGA TAA C	GTC CAC CTA TGC TGG AGA AGG
CD137L	TGC CCC AAC ACT ACA CAA C	TCT TCG TAC CTC AGA CCT TGA
CD206	CTC TGT TCA GCT ATT GGA CGC	TGG CAC TCC CAA ACA TAA TTT GA
CD301	CTCTGGAGAGCACAGTGGAG	ACTCCGAGCCGTTGTTCT
Cidea	TGC TCT TCT GTA TCG CCC AGT	GCC GTG TTA AGG AAT CTG CTG
Cox8b	TGT GGG GAT CTC AGC CAT AGT	AGT GGG CTA AGA CCC ATC CTG
Dio2	CAG TGT GGT GCA CGT CTC CAA TC	TGA ACC AAA GTT GAC CAC CAG
Pgc1a	AGC CGT GAC CAC TGA CAA CGA G	GCT GCA TGG TTC TGA GTG CTA AG
Tbp	ACC CTT CAC CAA TGA CTC CTA TG	TGA CTG CAG CAA ATC GCT TGG
Tfam	GGA ATG TGG AGC GTG CTA AAA	ACA AGA CTG ATA GAC GAG GGG
Ucp1	GCA TTC AGA GGC AAA TCA GC	GCC ACA CCT CCA GTC ATT AAG

Supplementary Table S2

Details of primary antibodies used for immunoblot and immunohistochemistry

Antibody	Company	Cat no.	Dilution	
			Immunoblot	IHC
Rabbit anti-mouse Ucp1 monoclonal antibody	Cell Signaling	14670	1:1000	1:70
Goat anti-mouse CD137 antibody	R&D system	BAF937	1:4000	
Rat anti-mouse CD137L monoclonal antibody	Abcam	ab86575	1:1000	
Rabbit anti-mouse Gapdh antibody	Sigma-Aldrich	PLA0125	1:6000	
Anti-rabbit IgG HRP-linked antibody	Cell Signaling	7074	1:2000	
Anti-goat IgG HRP-linked antibody	Abcam	ab7125	1:10000	
Elite ABC HRP kit	Vectastain	PK-6101		1:200
Alexa 555 Tyramide SuperBoost Kit	Invitrogen	B40923		