

Supplementary Table S1. Antibodies used for immunohistochemistry or western blot assays.

Antibody	Dilution	Catalogue #	Manufacturer
Rabbit monoclonal anti-CD34	1 : 1000	ab182981	Abcam
Mouse monoclonal anti-VEGF	1 : 2500	sc-65617	Santa Cruz Biotechnology
Mouse monoclonal anti-insulin B	1 : 500	sc-377071	Santa Cruz Biotechnology
Mouse monoclonal anti-glucagon	1 : 500	sc-514592	Santa Cruz Biotechnology
Mouse monoclonal anti-GFAP	1:500	sc-33673	Santa Cruz Biotechnology
Mouse monoclonal Anti- α SMA	1:500	sc-32251	Santa Cruz Biotechnology
Rabbit polyclonal anti-TNF α	1 : 2500	3707	Cell Signaling Technology
Rabbit monoclonal anti-IL10	1 : 2500	12163	Cell Signaling Technology
Mouse monoclonal anti-TGF β 1	1 : 2500	sc-130348	Santa Cruz Biotechnology
Mouse monoclonal anti-CD8a	1 : 1000	sc-7970	Santa Cruz Biotechnology
Mouse monoclonal anti-iNOS	1 : 200	sc-7271	Santa Cruz Biotechnology
Mouse monoclonal anti-Nfr2	1 : 250	sc-365949	Santa Cruz Biotechnology
Rabbit monoclonal anti-PPAR γ	1 : 2500	sc-7196	Santa Cruz Biotechnology
Mouse monoclonal anti-PPAR γ phospho ser 112	1 : 2500	MAB3632	Millipore
Mouse monoclonal anti- β Actin	1 : 5000	sc-47778	Santa Cruz Biotechnology
Horse anti mouse IgG biotinylated	1:2000	BA-1000	Vector Laboratories
Goat anti rabbit IgG biotinylated	1:250	BA-2000	Vector Laboratories
Mouse IgGk BP-HRP	1:10000	sc-516102	Santa Cruz Biotechnology
Goat anti rabbit-HRP	1:5000	sc-2004	Santa Cruz Biotechnology

VEGF, vascular endothelial growth factor; GFAP, glial fibrillary acidic protein; α SMA, smooth muscle actin type alpha; TNF α , tumoral necrosis factor type alpha; IL10, interleukin 10; TGF β 1, transforming growth factor beta; iNOS, inducible nitric oxide synthase; PPAR γ , peroxisome proliferator-activated receptor type gamma.

Supplementary Table S2. Primer used for different gene amplification

Gene	Reference	Primer sequence	bp
Catalase	NM_009804.2	FW: 5'-TCCGGGATCTTTTAAACGCCATTG-3' RV: 5'-TCGAGCACGGTAGGGACAGTTCAC-3'	362
Sod1	NM_011434.2	FW: 5'-TGGCCAATGTGTCCATTGAA-3' RV: 5'-TACTGCGCAATCCCAATCAC-3'	181

bp, base pair; Sod1, superoxide dismutase type 1.