Supplementary materials and methods

OCR measurement

OCR was performed using Seahorse XF Cell Mito Stress Test (Agilent, Santa Clara, CA, US). Briefly, primary HSCs were sequentially treated with 1 μM oligomycin; 1 μM phenylhydrazone (FCCP); and 0.5 μM mixture including rotenone and antimycin A according to the instruction. Seahorse XFe Wave Software (Agilent) was applied to analyze the data.

Supplementary Figure

Figure S1. p66Shc knockdown attenuates mitochondrial dysfunction in primary HSCs by OCR assay. Primary HSCs were transfected with p66Shc siRNA or negative control followed by TGF-β1 stimulation. The OCRs were measured, followed by the sequential treatment with oligomycin, FCCP, as well as mixture of antimycin A and rotenone. (A) OCR; (B) basal respiration; (C) ATP production; (D) maximal respiration; (E) spare capacity. Each data point represents an OCR measurement, n=3. ##P<0.01, #P<0.05.