S-phase kinase-associated protein-2 rejuvenates senescent endothelial progenitor

cells and imposes angiogenesis in vivo

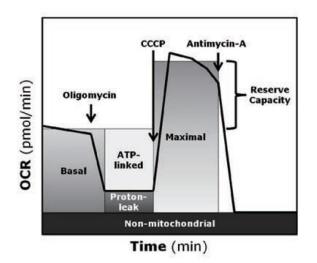
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Fig. S1



Bioenergetics profile of EPCs

EPCs were incubated at 37 °C in a non-CO₂ incubator for 1 h with Customer Formulation Endothelial Cell BM MV2 (without glucose and sodium bicarbonate, c-97139, PromoCell). Initially baseline cellular OCR was measured. For parameters of mitochomdria respiratory, mitochondrial inhibitors oligomycin (10 μ M), protonophore carbonyl cyanide m-chlorophenyl hydrazine (CCCP (50 μ M)), and antimycin-A (5 μ M) (all from Sigma, St. Louis, MO, USA), were sequentially injected to inhibit ATP synthase, mitochondrial membrane potential, and electron-transport chain, respectively. OCRs were automatically calculated and recorded in real time by the Seahorse XF-24 software.

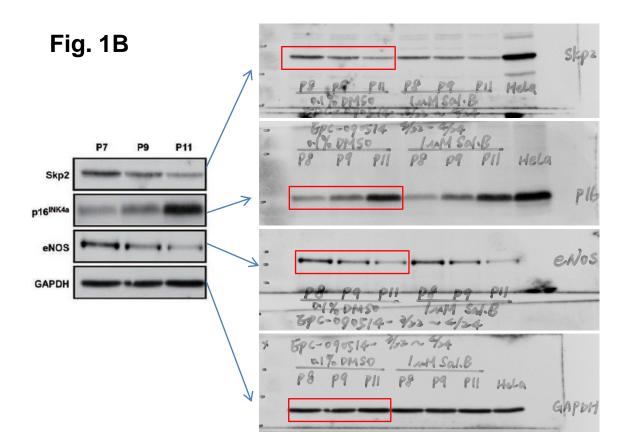


Fig. 2A

