

Overexpression of Fatty Acid Synthase Attenuates Bleomycin Induced Lung Fibrosis by restoring mitochondrial dysfunction in mice

Running title: Overexpression of fatty acid synthase reduces lung fibrosis

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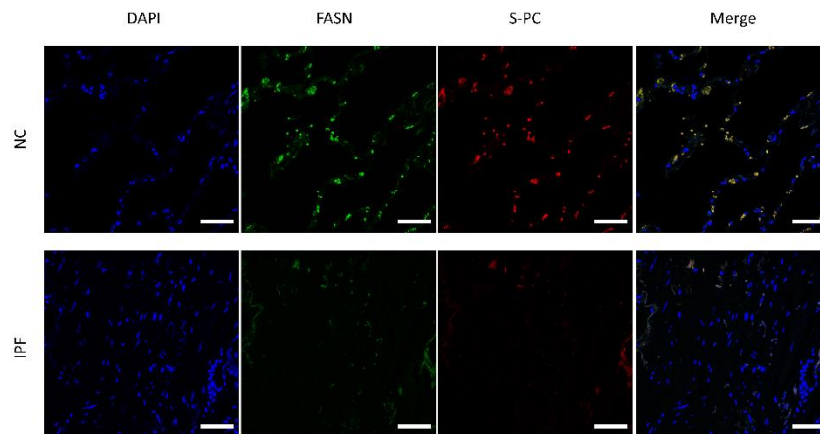
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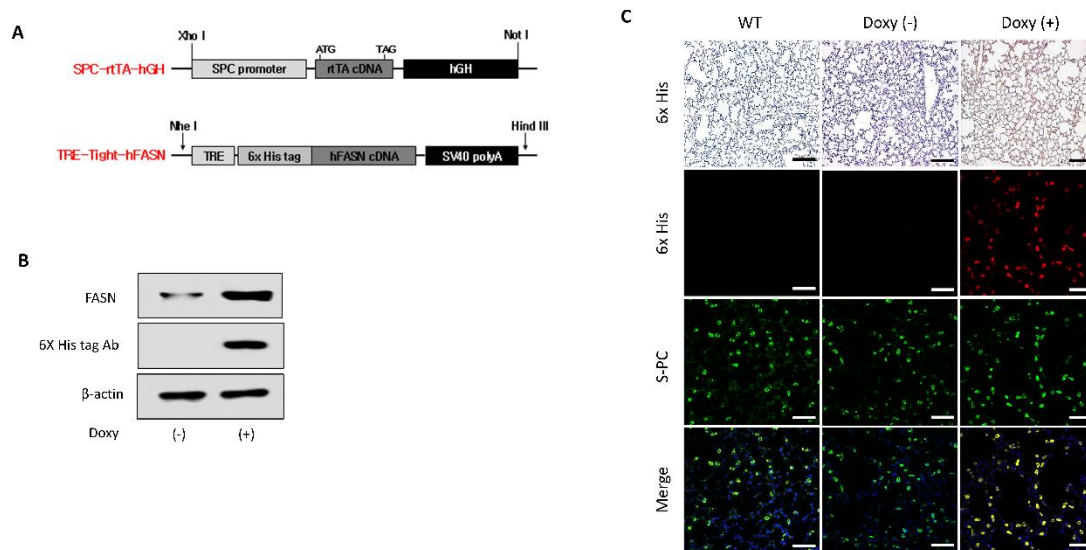
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Supplement figure 1.



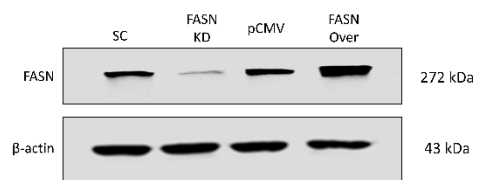
Double-labeled immunofluorescence analysis demonstrated that the majority of FASN-expressing cells (FITC) were type II AECs (PE) in human lungs. Scale bar, 50 μm .

Supplement figure 2.



Generation of FASN transgenic mice. (A) Constructs for generation of FASN transgenic mice. (B) Western blotting analysis of human FASN- His in control and doxycycline-treated mice. FASN antibody detects both humans and mice FASN protein. (C) Histology of the lungs of wild type, control and doxycycline-treated FASN transgenic mice. Scale bar, 50 μ m.

Supplement figure 3.



Western blotting analysis of FASN expression in stable A549 cells (FASN_Over), FASN knockdown (FASN_KD), and their respective control vector-transfected (pCMV) and scramble control shRNA-transfected (SC) cells.