

# Mouse umbilical cord mesenchymal stem cell paracrine alleviates renal fibrosis in diabetic nephropathy by reducing myofibroblast transdifferentiation and cell proliferation and upregulating MMPs in mesangial cells

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## Supplementary Figures and Legends

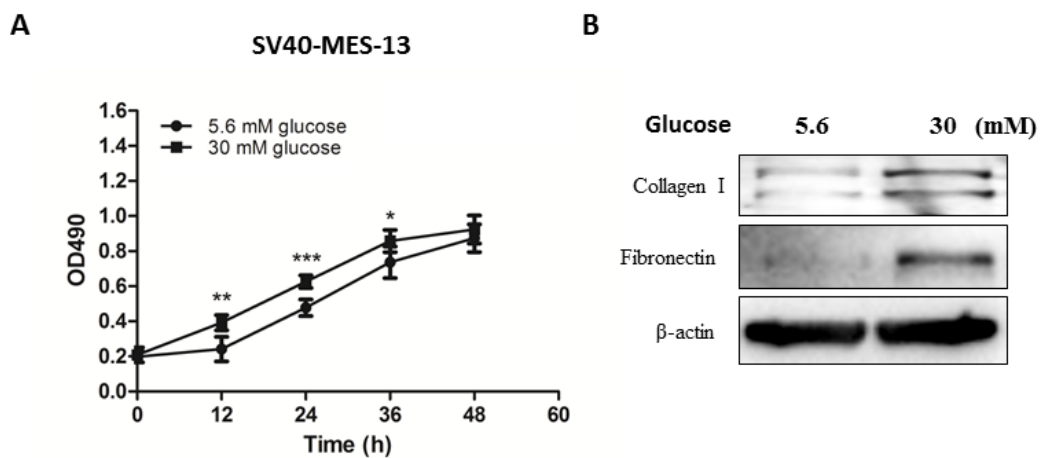
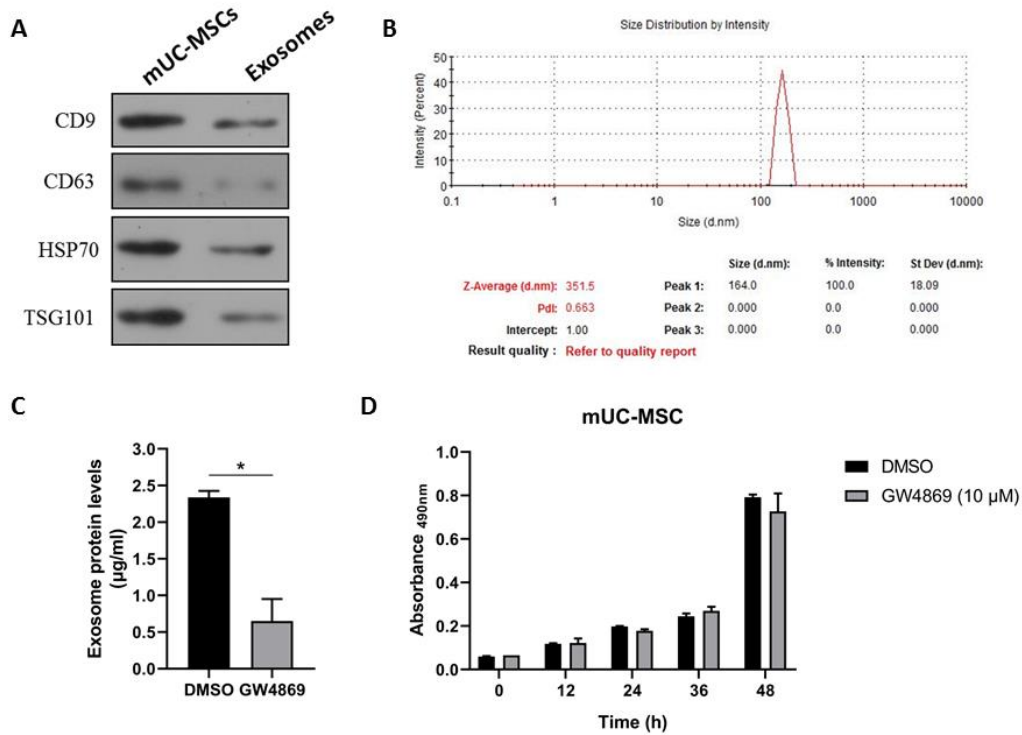


Figure S1. The DN cell model based on high glucose-cultured mesangial cells. (A)

Measurement of cell proliferation in high glucose-induced SV40-MES-13 cells. **(B)** Western blot analysis of the levels of ECM proteins in high glucose-induced SV40-MES-13 cells.



**Figure S2. Inhibitory effect of GW4869 on the secretion of exosomes from mUC-MSCs** (A) Identification of exosome markers. (B) Detection of exosome particle size and purity. (C) GW4869 decreases the levels of exosome protein from mUC-MSCs. Each value represents the mean ( $\pm$  SD) of a representative of 3 independent experiments. Statistical significance: \* $p < 0.05$  versus negative control. (D) 10  $\mu$ M GW4869 is shown not to affect cell proliferation of mUC-MSC cells.