Acute kidney injury

Tubular epithelial cell → Tubular cell death → Tubular cell survival and proliferation → Repaired Kidney

Fibroblast

mTOR

PPARγ activation → HGF

Chronic kidney injury

Fibroblast → mTOR

Myofibroblast

Macrophage → mTORC2

M2 polarization → Collagen synthesis

ECM deposition → Kidney fibrosis → Scarred Kidney