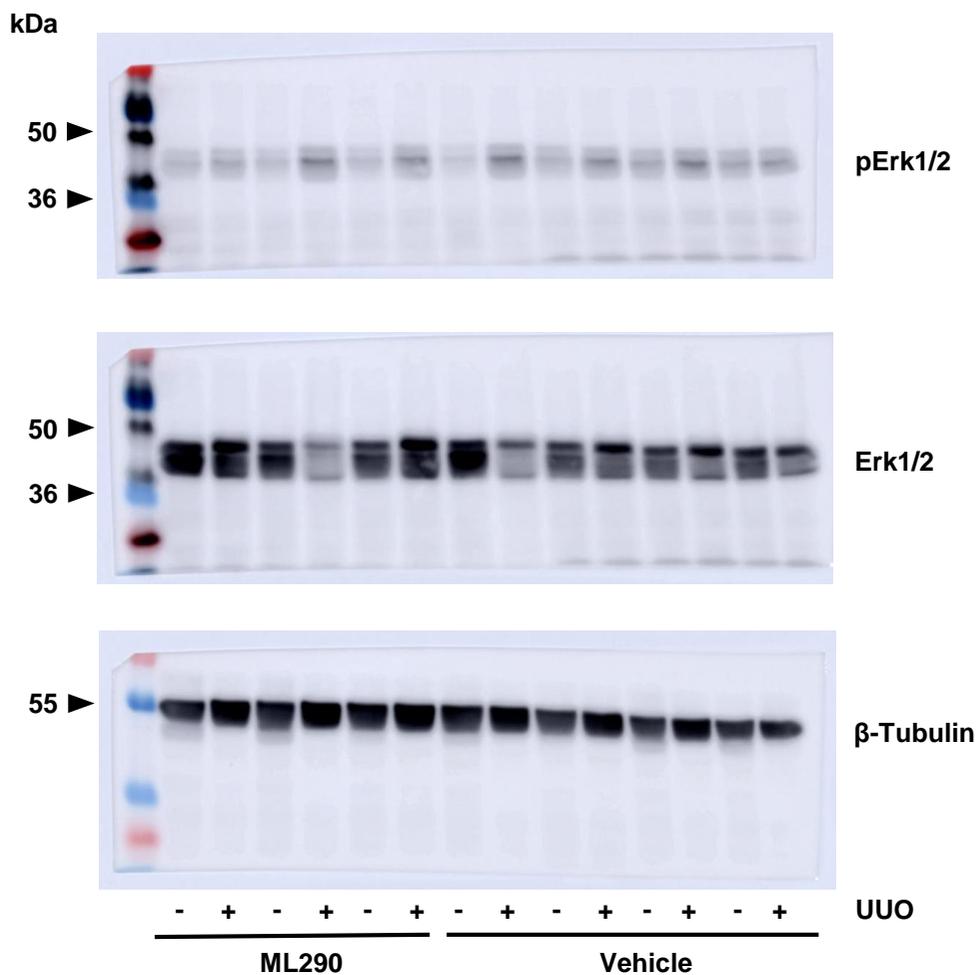
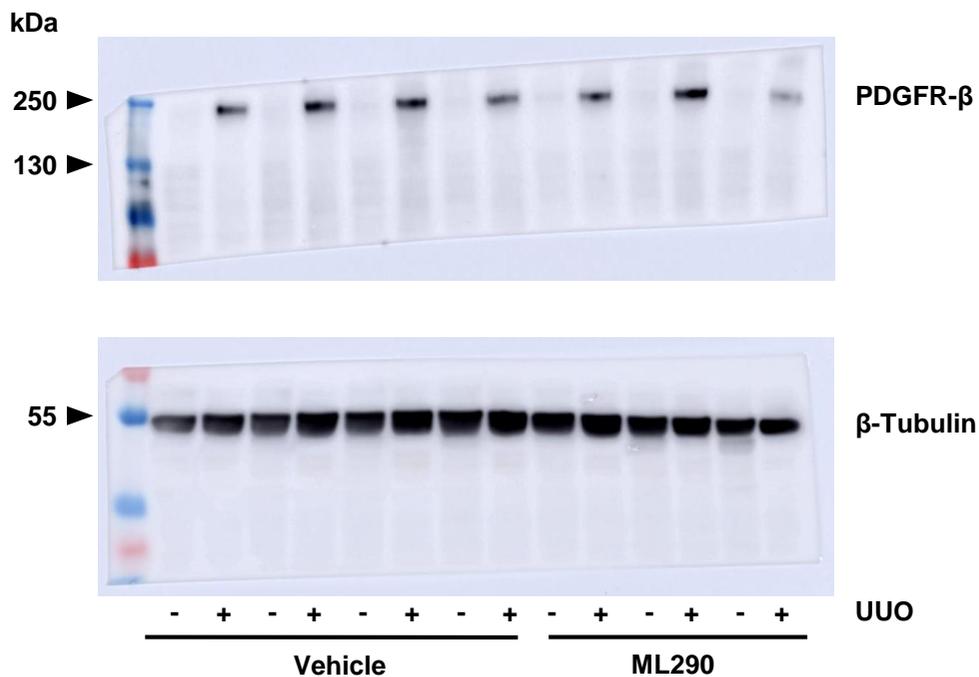


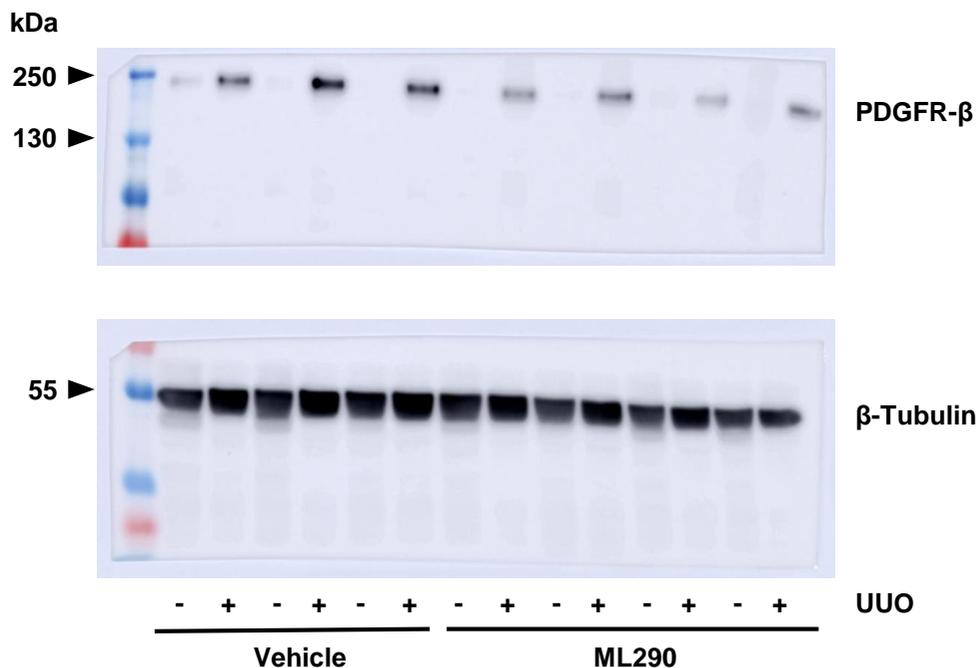
Supplementary Figure 1. Original western blot images of figure 1 (F). First blot of phospho-Erk1/2 (44, 42 kDa), total Erk1/2 (44, 42 kDa) and β -tubulin (55 kDa) from the control and UUO kidneys of vehicle- and ML290-treated humanized mice.



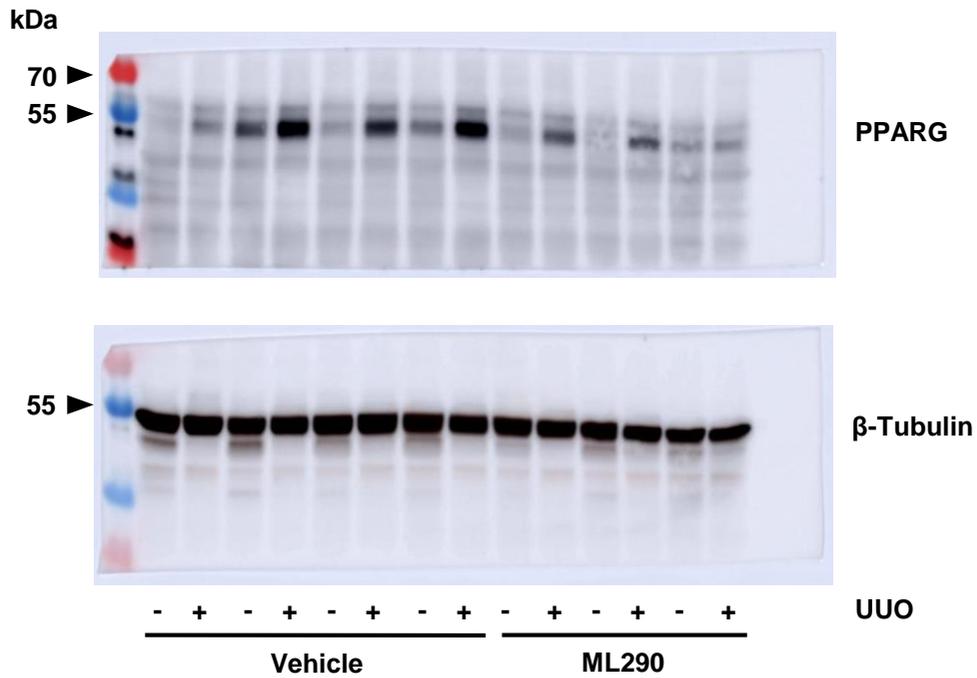
Supplementary Figure 2. Original western blot images of figure 1 (F). Second blot of phospho-Erk1/2 (44, 42 kDa), total Erk1/2 (44, 42 kDa) and β-tubulin (55 kDa) from the control and UUO kidneys of vehicle- and ML290-treated humanized mice.



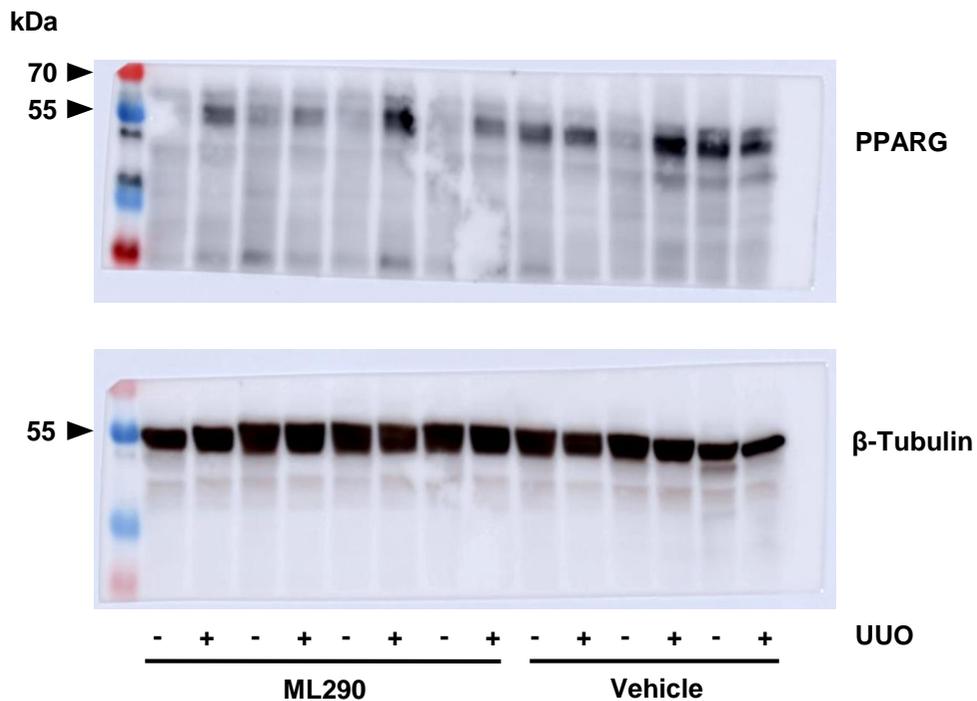
Supplementary Figure 3. Original western blot images of figure 2 (A). First blot of PDGFR- β (180-190 kDa) and β -tubulin (55 kDa) from the control and UUO kidneys of vehicle- and ML290-treated humanized mice. PDGFR- β was performed on the same gel as phospho-Erk1/2 (44, 42 kDa) and total Erk1/2 (44, 42 kDa) shown in supplementary figure 1.



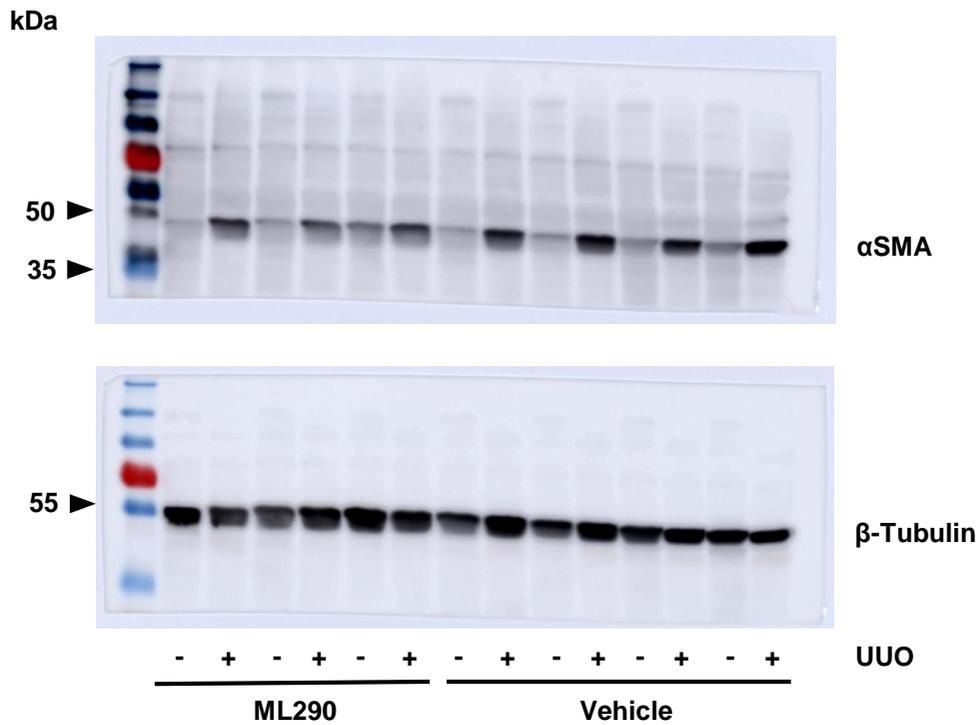
Supplementary Figure 4. Original western blot images of figure 2 (A). Second blot of PDGFR-β (180-190 kDa) and β-tubulin (55 kDa) from the control and UO kidneys of vehicle- and ML290-treated humanized mice. PDGFR-β was performed on the same gel as phospho-Erk1/2 (44, 42 kDa) and total Erk1/2 (44, 42 kDa) shown in supplementary figure 2.



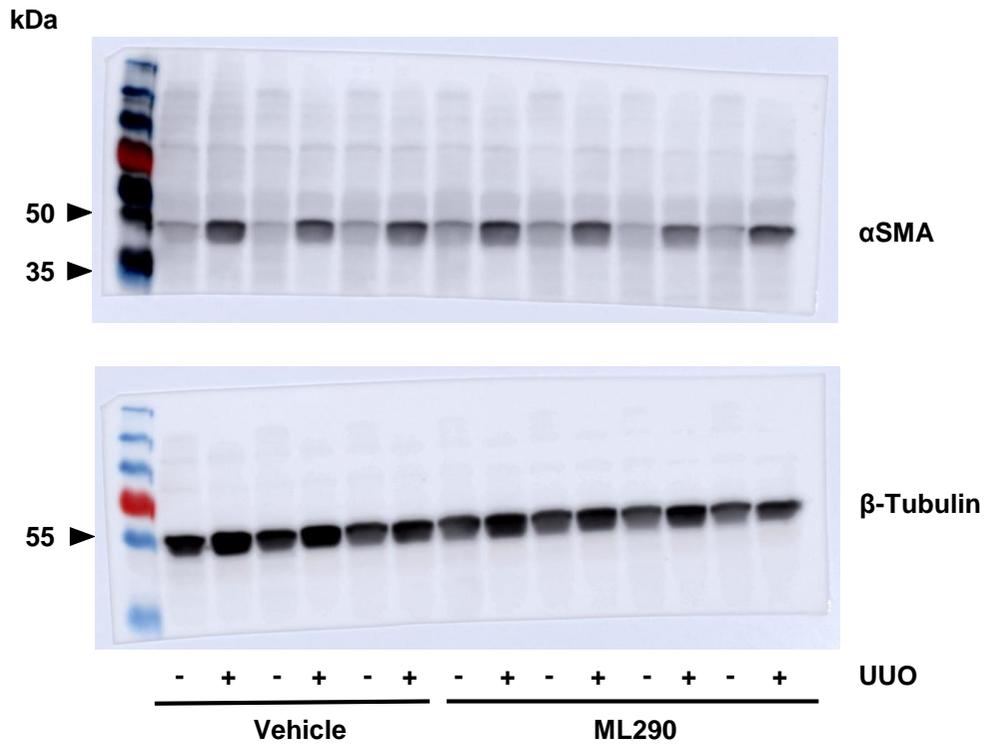
Supplementary Figure 5. Original western blot images of figure 2 (B). First blot of PPARG (54 kDa) and β -tubulin (55 kDa) from the control and UUO kidneys of vehicle- and ML290-treated humanized mice.



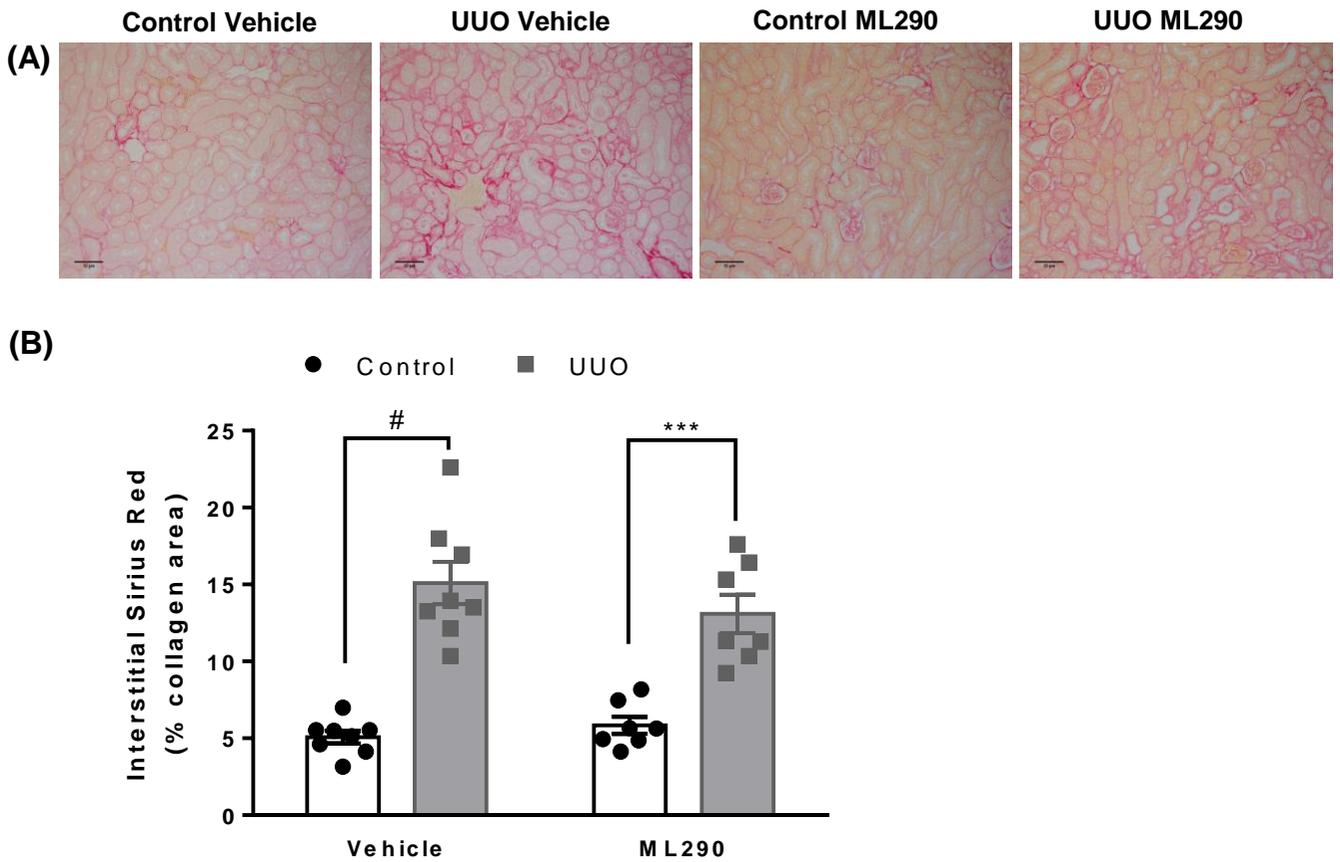
Supplementary Figure 6. Original western blot images of figure 2 (B). Second blot of PPARG (54 kDa) and β -tubulin (55 kDa) from the control and UO kidneys of vehicle- and ML290-treated humanized mice.



Supplementary Figure 7. Original western blot images of figure 3 (G). First blot of α SMA (42 kDa) and β -tubulin (55 kDa) from the control and UUO kidneys of vehicle- and ML290-treated humanized mice.



Supplementary Figure 8. Original western blot images of figure 3 (G). Second blot of α SMA (42 kDa) and β -tubulin (55 kDa) from the control and URO kidneys of vehicle- and ML290-treated humanized mice.



Supplementary Figure 9. A: Representative images of Sirius Red staining. Scale bar = 10 μ m. B: Quantitative analysis of the percent positive Sirius Red area in the control and UUO kidneys from vehicle- and ML290-treated humanized mice ($n = 7-8$ mice/group). *** $p < 0.001$, # $p < 0.0001$.