

## **P311 promotes renal fibrosis via TGF $\beta$ 1/Smad signaling**

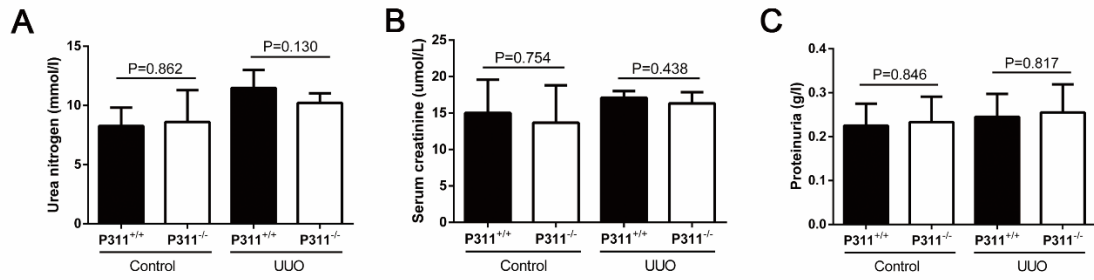
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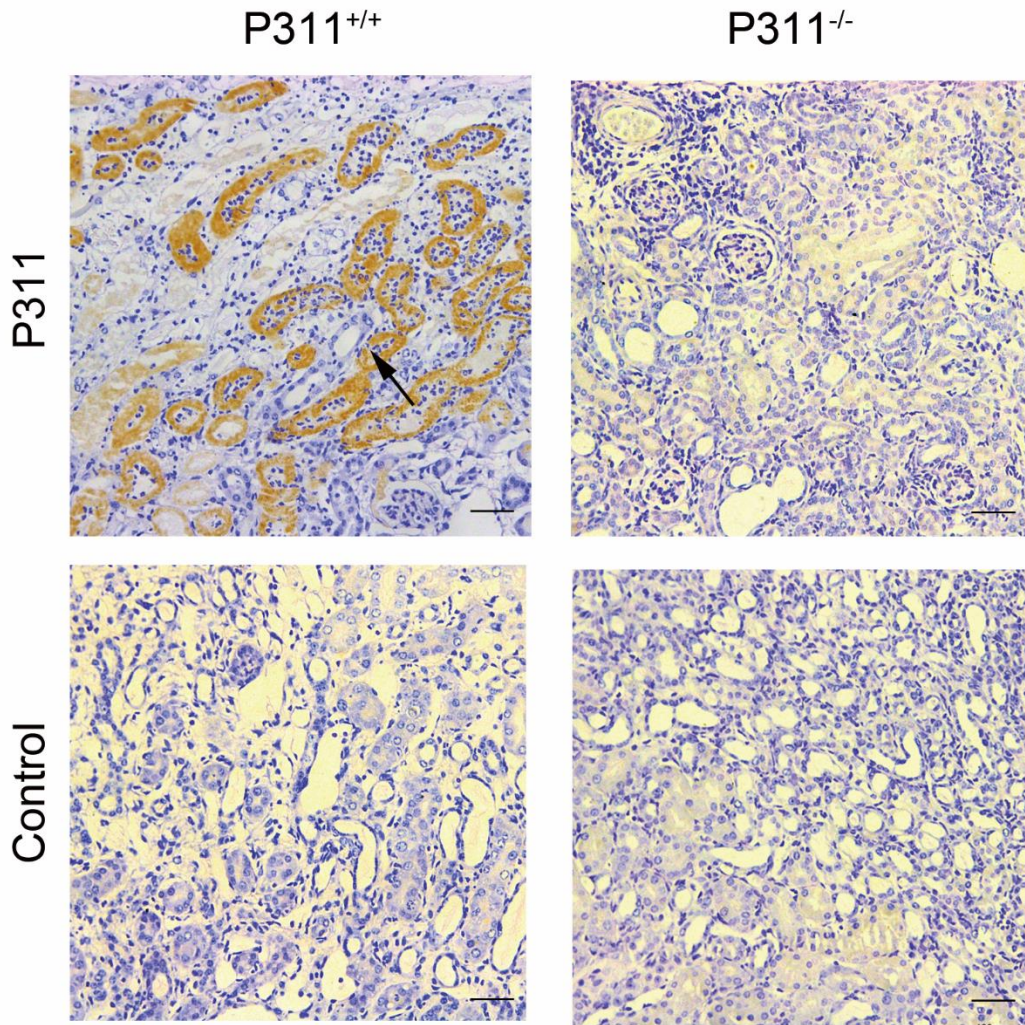
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### Supplementary figure 1

Baseline blood and urine data of P311<sup>+/+</sup> and P311<sup>-/-</sup> mice. (A) Urea nitrogen in blood serum of P311<sup>+/+</sup> and P311<sup>-/-</sup> mice (n=4 per group), treated or not treated with unilateral ureteral obstruction (UUO) was analyzed. (B) Serum creatinine in blood serum of P311<sup>+/+</sup> and P311<sup>-/-</sup> mice (n=4 per group), treated or not treated with UUO was analyzed. (C) Proteinuria in urine of P311<sup>+/+</sup> and P311<sup>-/-</sup> mice (n=4 per group), treated or not treated with UUO was analyzed. Data are presented as the mean  $\pm$  SD. \*P<0.05; \*\*P<0.01.



Supplementary figure 2

P311 expression and distribution in kidney tissues from P311<sup>+/+</sup> (n=6) and P311<sup>-/-</sup> (n=6) mice, treated with unilateral ureteral obstruction for 7 days in adult mice, as evidenced by immunohistochemistry. Black arrow indicates the P311-positive region. Bottom panel: negative controls for the immunohistochemical staining of P311 on mouse renal fibrosis samples. Scale bar: 100 $\mu$ m.