

Supplement Figure 1. LYVE-1 antibody inhibits lymphangiogenesis and renal fibrosis in UUO. Mice were subjected to unilateral ureteral obstruction (UUO) by left ureteral ligation for 7 and 14 days. UUO mice were subcutaneously injected with antibody and control IgG. On days 7 and 14, mice were sacrificed, and the left kidneys were collected.

The expression levels of lymphangiogenesis markers (LYVE-1 and Prox-1) and fibrotic markers ( $\alpha$ -SMA, Collagen I, and PDGFR- $\beta$ ) in Sham and UUO mouse kidneys were detected by Western blot. n = 6 per group. The error bars represent the SEM. \*\*P < 0.01 vs. sham operation. n= 6 per group. The data were pooled from three independent experiments.

Supplement Figure 2. The expression of VEGF-C is increased in UUO mice. (A) IHC staining showing VEGF-C expression in the sham control and UUO mice. The expression level of VEGF-C was detected by Western blot (B). (C) Immunofluorescence staining showing VEGF-C (red) expression in UUO kidneys; LTL (green) identified proximal tubules; DBA (green) identified distal convoluted tubules, original magnification,  $\times 400$ . n = 6 per group. The error bars represent the SEM.