Table S1. Primary antibodies.

Primary Antibody	Application and Dilution	Catalog number	Source
Nephrin (G-8)	FC 1:200, IF 1:50	sc-376522	Santa Cruz Biotechnology, U.S.
Nephrin	FC 1:100, WB 1:500	ab216341	Abcam, Cambridge, UK
Integrin-β3	IF 1:50 WB 1:1000	sc-46655	Santa Cruz Biotechnology, U.S.
Fibronectin	WB 1:1000	ab2413	Abcam, Cambridge, UK
TβRI	IF 1:100	PA5-3263	Invitrogen, Thermo Fisher Scientific, U.S.
TβRII	IF 1:100	ab61213	Abcam, Cambridge, UK
Smad2	IF 1:100 WB 1:1000	51-1300	Invitrogen, Thermo Fisher Scientific, U.S.
p-Smad2	IF 1:100 WB 1:1000	44-244G	Invitrogen, Thermo Fisher Scientific, U.S.

WB: Western blot, **IF**: Immunofluorescence

Table S2. Secondary antibodies.

Secondary Antibody	Application and Dilution	Catalog number	Source
Goat anti-rabbit/Alexa Fluor 647	IF 1:100	ab150079	Abcam, Cambridge, UK
Goat anti-mouse/Alexa Fluor 488	IF 1:100	ab150113	Abcam, Cambridge, UK
MFP™-DY-490-Phalloidin	IF 1:100	MFP-D490-33	MoBiTec Molecular Biotechnology, Germany
Anti-rabbit IgG, HRP-linked	WB 1: 2000	7074S	Cell Signaling Technology, U.S.
Anti-mouse IgG, HRP-linked	WB 1: 2000	7076	Cell Signaling Technology, U.S.

WB: Western blot, **IF**: Immunofluorescence, **HRP-linked**: Horseradish peroxidase-linked

Table S3. The strength of binding of the monoclonal antibody (in combination with a fluorescently labeled secondary antibody) to each individual protein represented as the Z-score. The Z-score is described in units of standard deviations (SDs) above the mean value of all signals generated on that array.

	Nephrin	β3 Integrin	Fibronectin	TβRI	TβRII	Smad2	pSmad2
Control, NG	3.7	20.8	10.4	3.2	9.6	4.3	4.9
TGF-β1, NG	5.3	4.6	5.3	6.3	5.4	3.1	5.0
UA, NG	-	5.9	6.5	4.4	2.7	2.3	4.7
TGF-β1 + UA, NG	3.1	4.0	6.9	5.7	5.6	2.5	4.0
Control, HG	11.6	6.7	7.4	4.4	4.8	5.2	5.4
TGF-β1, HG	4.7	4.3	5.4	5.0	3.2	4.3	3.7
UA, HG	-	8.4	7.7	5.8	4.6	3.6	4.4
TGF-β1 + UA, HG	4.3	7.0	8.1	3.5	4.6	4.5	4.2