

Supplementary tables

Table S1. List of primer for quantitative polymerase chain reaction

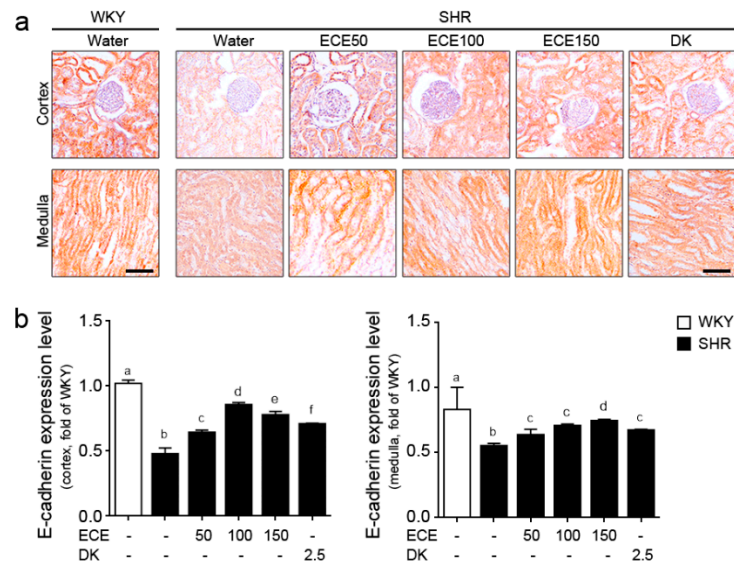
Gene		Primer
<i>Tgfb</i>	Forward	5'– GAGCCCTGGATACCAACTACTG –3'
	Reverse	5'– AACCCAGGTCCTTCCTAAAGTC –3'
<i>Smad2</i>	Forward	5'– GAACTCGGAGAGGTTCTGCTTA –3'
	Reverse	5'– CTCCCCCTTCCTATATGCCTTCT –3'
<i>Smad3</i>	Forward	5'– GGGGCTCTGTACATACCTTGAG –3'
	Reverse	5'– AGAAACACTGGCACTCTGACAA –3'
<i>AT1R</i>	Forward	5'– TAGCCAAAGGAAGAGTCAGGAG –3'
	Reverse	5'– GGAACATAGCAAAGGGAGACTG –3'
<i>Snail2</i>	Forward	5'– GGCCTTTCTCCTCTTACTGGAT –3'
	Reverse	5'– TGTGATCCTTGGATGAAGTGTC –3'
<i>Actb</i>	Forward	5' – ACAAAGCTGTTCA GTGTCTCCA – 3'
	Reverse	5' – CTCCGTTTCCAGAATACACACA – 3'

sTable 2. List of Antibodies for Western blotting,

Antibody name (clone)	Company	Cat. No.	Antibody dilution
β -actin (C4)	Santa cruz Biotechnology	sc-47778	1:500
TGF- β (9016)	Abcam	Ab64715	1:500
pSMAD2/3 (D27F4)	Cell signaling	8828	1:1,000
SMAD2/3 (D7G7)	Cell signaling	8685	1:1,000
AGTR1	Invitrogen	PA5-20812	1:1,000

Supplementary figure

sFigure 1. Comparative analysis of ECE and DK administration on the reduction of expression of E-cadherin in the kidney of SHRs



(a) E-cadherin protein expression level in cortex area, and in medulla of kidney were measured by immunohistochemistry and (b) the protein levels were quantified by Image J software. Scale bar = 50 μ m. Three doses of ECE (50 mg/kg/day, 100 mg/kg/day and 150 mg/kg/day) was oral administrated for 4 weeks and 2.5 mg/kg/day of DK also oral administrated for 4 weeks. Means denoted by a different letter indicate significant differences between groups ($p < 0.05$). ECE, Ecklonia cava extract; DK, dieckol.