

Table S1

Primer/Probe	Order number
Claudin-1	Hs00221623_m1
Claudin-3	Hs00265816_s1
Claudin-4	Hs00533616_s1
Claudin-5	Hs00533949_s1
Claudin-6	Hs04189215_g1
Claudin-7	Hs00600772_m1
Claudin-9	Hs00253134_s1
Claudin-12	Hs01082669_m1
Claudin-14	Hs00273267_s1
Claudin-16	Hs01070692_m1
Claudin-17	Hs01043467_s1
Occludin	Hs00170162_m1

Table S2

Primary antibody	Host species	Source (catalog number)	Dilution Western	Dilution ICC	Secondary antibody
Anti-claudin-1	Mouse	Invitrogen (37-4900)	1 : 500	1 : 200	Anti-mouse IgG
Anti-claudin-3	Rabbit	Invitrogen (34-1700)	1 : 250	1 : 100	Anti-rabbit IgG
Anti-claudin-4	Mouse	Invitrogen (32-9400)	1 : 500	1 : 100	Anti-mouse IgG
Anti-claudin-7	Rabbit	Invitrogen (34-9100)	1 : 250	1 : 250	Anti-rabbit IgG
Anti-claudin-9	Rabbit	Abcam (ab37474)	1 : 500	1 : 200	Anti-rabbit IgG
Anti-claudin-14	Goat	Abcam (ab19035)	1 : 500	1 : 200	Anti-goat IgG
Anti-occludin	Mouse	Invitrogen (33-1500)	1 : 1000	1 : 200	Anti-mouse IgG
Anti-p-PKC ζ/λ	Rabbit	Cell Signaling Tech. (9378)	1 : 500	-	Anti-rabbit IgG
Anti-PKC ζ	Rabbit	Cell Signaling Tech. (9368)	1 : 500	-	Anti-rabbit IgG
Anti-p-GSK-3 α/β	Goat	Santa Cruz (sc-11758)	1 : 100	-	Anti-goat IgG
Anti-GSK-3 α/β	Mouse	Santa Cruz (sc-56913)	1 : 500	-	Anti-mouse IgG
Anti-p-PI3K p85/p55	Rabbit	Cell Signaling Tech. (4228)	1 : 250	-	Anti-rabbit IgG
Anti-PI3K p85	Rabbit	Cell Signaling Tech. (4292)	1 : 1000	-	Anti-rabbit IgG
Anti-filaggrin	Rabbit	Abcam (ab24584)	1 : 500	-	Anti-rabbit IgG
Anti-involucrin	Rabbit	Santa Cruz (sc-28557)	1 : 250	-	Anti-rabbit IgG
Anti-keratin 1	Mouse	Novus Biol. (NB100-2756)	1 : 500	-	Anti-mouse IgG
Anti-keratin 10	Mouse	Novus Biol. (NBP1-97795)	1 : 100	-	Anti-mouse IgG
Anti-TGM 1	Rabbit	Novus Biol. (NB100-1844)	1 : 250	-	Anti-rabbit IgG

Abbreviations: ICC; immunocytochemistry, **TGM1**; transglutaminase 1