

Supplementary Table 1. Antibodies used in this study

Antibodies	molecular weight (kDa)	Host Species	Vendor	Catalog Number	Dilution	
					WB	IF
SOX9	56-65	Rabbit	Millipore	AB5535		1:300
ZO-1	230	Rabbit	Proteintech	21773-1-AP	1:2000	1:300
Claudin-11	22	Rabbit	Abcam	ab53041	1:2000	
Occludin	68	Rabbit	Santa cruz	sc-5562	1:2000	
CX43	43	Rabbit	Servicebio	GB13234-1	1:2000	1:300
p-CX43	43	Rabbit	Cell Signaling	52559S	1:2000	
MMP9	67	Rabbit	ZEN BIO	10375-2-AP	1:2000	1:300
p-p38MAPK	43	Rabbit	ZEN BIO	530056	1:2000	1:300
p38MAPK	43	Rabbit	ZEN BIO	WL00764	1:2000	1:300
GAPDH	37	Rabbit	Cell Signaling	#5174	1:5000	
Alexa Fluor488 Donkey Anti-Rabbit IgG (H+L)			Jackson ImmunoResearch	140422		1:400
Alexa Fluor594 Donkey Anti-Rabbit IgG (H+L)			Jackson ImmunoResearch	140019		1:400

Abbreviations: WB, Western blot; IF, immunofluorescence microscopy.