

Table S1 Primary antibodies information

Primary antibodies	Dilution ratio	Item number	Vendor	Species
ZO-1	1: 1000	ab96587	Abcam	Rabbit
Occludin	1: 2000	GB11149	Proteintech	Rabbit
Claudin-1	1: 1000	13050-1-AP	Proteintech	Rabbit
E-cadherin	1: 1000	ab231303	Abcam	Mouse
Claudin-3	1: 200	34-1700	Thermo Fisher	Rabbit
Claudin-7	1: 200	34-9100	Thermo Fisher	Rabbit
PPAR γ	1: 1000	16643-1-AP	Proteintech	Rabbit
iNOS	1:100	ab15323	Abcam	Rabbit
COX-2	1: 1000	GB11077-2	Servicebio	Rabbit
I κ B	1: 1000	AI096	Beyotime	Rabbit
p-I κ B	1: 500	14220-1-AP	Proteintech	Rabbit
NF- κ B p65	1: 500	ab16502	Abcam	Rabbit
p-p65	1: 500	13346	CST	Mouse
STAT3	1: 1000	GB11176	Servicebio	Rabbit
p-STAT3	1: 1000	AP0070	Abclonal	Rabbit
Ly6G	1: 1000	GB11229	Servicebio	Rabbit
F4/80	1:100	ab15580	Abcam	Rabbit
CD4	1: 1000	GB11064	Servicebio	Rabbit
IL-10	1: 500	GB11108	Servicebio	Rabbit
NLRP3	1: 1000	ab214185	Abcam	Rabbit
ASC	1: 1000	ab175449	Abcam	Goat
Caspase-1	1: 200	ab1872	Abcam	Rabbit
IL-1 β	1: 100	ab9722	Abcam	Rabbit
Bip	1: 1000	ab21685	Abcam	Rabbit
IRE1 α	1: 1000	ab37073	Abcam	Rabbit
ATF6	1: 1000	65880	CST	Rabbit

PERK	1: 1000	GB11510	Servicebio	Rabbit
CHOP	1: 1000	ab11419	Abcam	Mouse
XBPI	1: 1000	82914	CST	Rabbit
Cleaved- Caspase3	1: 1000	BS1518	Bioworld	Rabbit
nitrotyrosine	1: 1000	9691	CST	Rabbit
β -actin	1: 3000	GB12001	Servicebio	Mouse

Table S2 Primers used in Quantitative RT- PCR (QRT-PCR).

Gene name	Forward primer 5'-3'	Reverse primer 5'-3'
MUC1	GCAATGGCACTCAGCCTTCAG	CGGAGCCTGACCTGAACTTGAT
MUC2	CGTCTGGTGAATGGTGGAG	GCACGGGCGTAGGAAGAAA
TFF3	GCTGTTGGTGGTCCTGGTTG	GGGCACATTTGGGATACTGG
RELM β	CCTGTCCTGCTGGGATGGTT	GTGGCAAGTATTTCCATTCCG
Reg3b	GCGCTGAGGCTTCATTCTTGT	TGTTACTCCATTCCCATCCACC
Reg3g	CTCTCCTGCCTGATGCTCCTT	GCCACTGTTACCACTGCTTTTGA
β -actin	GTGACGTTGACATCCGTAAAGA	GTAACAGTCCGCCTAGAAGCAC