

Table SI. Antibody information.

Antibody	Supplier	Cat. no.	Dilution
GAPDH	ImmunoWay Biotechnology Company	YN5585	1:1,000
IL-6	ABclonal Biotech Co., Ltd.	A22222	1:1,000
Occludin	Abcam	ab222691	1:2,000
Claudin-1	Abcam	ab180158	1:1,000
ZO-1	Abcam	ab216880	1:1,000
p62	Abcam	ab109012	1:10,000
IL-1 β	Abcam	ab234437	1:1,000
AKT	Affinity Biosciences	AF6216	1:1,000
p-AKT	Affinity Biosciences	AF0016	1:1,000
mTOR	Affinity Biosciences	AF6308	1:1,000
p-mTOR	Affinity Biosciences	AF3308	1:1,000
PI3K	Affinity Biosciences	AF6241	1:1,000
p-PI3K	Affinity Biosciences	AF3242	1:1,000
TNF- α	ABclonal Biotech Co., Ltd.	A0277	1:1,000
IL-10	ABclonal Biotech Co., Ltd.	A22288	1:1,000
ULK1	ABclonal Biotech Co., Ltd.	A21024	1:1,000
ATG13	ABclonal Biotech Co., Ltd.	A0690	1:1,000
Beclin	ABclonal Biotech Co., Ltd.	A22361	1:2,000
ATG5	ABclonal Biotech Co., Ltd.	A0203	1:1,000
ATG7	ABclonal Biotech Co., Ltd.	A19604	1:1,500
ATG12	ABclonal Biotech Co., Ltd.	A19610	1:1,000

Horseradish enzyme labelled goat anti-rabbit IgG (H+L)	ZSGB-BIO (Beijing Zhongshan Jinqiao Biotechnology Co., Ltd.)	ZB-5301	1:5,000
Horseradish enzyme labelled goat anti-mouse IgG (H+L)	ZSGB-BIO (Beijing Zhongshan Jinqiao Biotechnology Co., Ltd.)	ZB-2305	1:5,000

GAPDH, glyceraldehyde-3-phosphate dehydrogenase; IL, interleukin; ZO-1, zonula occludens-1; TNF, tumor necrosis factor; ULK1, Unc-51 like autophagy activating kinase 1; ATG, autophagy-related gene; p-, phosphorylated.

Table SII. Primer Sequences

A, Mouse primers	
Gene	Sequence (5'-3')
GAPDH	F: GGGAAGCCCATCACCATCT R: CGGCCTCACCCCATTTG
TNF- α	F: CTCATGCACCACCATCAAGG R: ACCTGACCACTCTCCCTTTG
IL-6	F: GAGACTTCCATCCAGTTGCC R: AAGTGCATCATCGTTGTTCATACA
IL-10	F: GCTCTTACTGACTGGCATGAG R: CGCAGCTCTAGGAGCATGTG
IL-1 β	F: GCAACTGTTCTGAACTCAACT R: ATCTTTTGGGGTCCGTCAACT
ATG5	F: AGTCAAGTGATCAACGAAATGC R: TATTCCATGAGTTTCCGGTTGA
ATG7	F: GTGTACGATCCCTGTAACCTAG R: GATGCTATGTGTCACGTCTCTA
LC3II	F: TTATAGAGCGATACAAGGGGGAG R: CGCCGTCTGATTATCTTGATGAG
p62	F: TGTGGAACATGGAGGGAAGAG R: TGTGCCTGTGCTGGAACCTTC
PI3K	F: CCTCAGCTCTCACCCCTCCT R: TTGGTCTCTCTTTCCGCTCAC
AKT	F: TGAGAAGAAGCTGAGCCCAC R: TAGGAGAACTTGATCAGGCGG
mTOR	F: CCGCTACTGTGTCTTGGCAT R: CAGCTCGCGGATCTCAAAGA
B, Human primers	
Gene	Sequence (5'-3')
GAPDH	F: CAGGAGGCATTGCTGATGAT R: GAAGGCTGGGG CTCATTT
TNF- α	F: CCTCTCTCTAATCAGCCCTCTG

	R: GAGGACCTGGGAGTAGATGAG
IL-6	F: ACTCACCTCTTCAGAACGAATTG R: CCATCTTTGGAAGGTTTCAGGTTG
IL-10	F: GACTTTAAGGGTTACCTGGGTTG R: TCACATGCGCCTTGATGTCTG
IL-1 β	F: ATGATGGCTTATTACAGTGGCAA R: GTCGGAGATTCGTAGCTGGA

F, forward; R, reverse; GAPDH, glyceraldehyde-3-phosphate dehydrogenase; TNF, tumor necrosis factor; IL, interleukin; ATG, autophagy-related gene.