

Table SI. siRNA sequences.

siRNA	Sequence (5'-3')
ULK1-1	
Sense	GGAGCAAGAGCACACGGAA
Antisense	UCCCGUGUGCUCUUGCUCC
ULK1-2	
Sense	GCCUUUCAUCUACUGUGAATT
Antisense	UUCACAGUAGAUGAAAGGCTT
ULK1-3	
Sense	GCUUGCGACUUCAGCGCUUTT
Antisense	AAGCGCUGAAGUCGCAAGCTT
Beclin1	
Sense	GGCACAAUCAAUAAUUUCATT
Antisense	UGAAAUAUUGAUUGUGCCTT
NCOA4	
Sense	GCCCUACAAUGUGAGUGAUTT
Antisense	AUCACUCACAUUGUAGGGCTT
Negative control	
Sense	UUCUCCGAACGUGUCACGUTT
Antisense	TTAAGAGGCUUGCACAGUGCA

ULK1, serine/threonine protein kinase ULK1; NCOA4, nuclear receptor coactivator 4; siRNA, small interfering RNA.

Table SII. Antibodies for western blotting.

Antibodies	Manufacturer	Workingconcentration	Catalogue no.
ULK1	ABclonal Biotech Co., Ltd.	1:1,000	A8529
Beclin1	Proteintech Group, Inc.	1:1,000	1306-1-AP
LC3-II	ABclonal Biotech Co., Ltd.	1:1,000	A5618
P62	ABclonal Biotech Co., Ltd.	1:1,000	A19700
NCOA4	ABclonal Biotech Co., Ltd.	1:1,000	A5695
VPS34	Proteintech Group, Inc.	1:1,000	12452-1-AP
FTH1	ABclonal Biotech Co., Ltd.	1:1,000	A1144
β -actin	Proteintech Group, Inc.	1:5,000	66009-1-Ig

ULK1, serine/threonine protein kinase ULK1; LC3-II, microtubule-associated protein 1 light chain 3 β ; NCOA4, nuclear receptor coactivator 4; VPS34, PI3K catalytic subunit type 3;FTH1, ferritin heavy chain 1.

Table SIII. Antibodies for staining.

Antibodies	Manufacturer	Workingconcentration	Catalogue number
4-HNE	ABclonal Biotech Co., Ltd.	1:100	A26085
LC3-II	ABclonal Biotech Co., Ltd.	1:100	A19665
NCOA4	Santa Cruz Biotechnology, Inc.	1:100	sc-373739
α -SMA	Wuhan Boster Biological Technology, Ltd.	1:100	BM4172

4-HNE, 4-hydroxynonenal; LC3-II, microtubule-associated protein 1 light chain 3 β ; NCOA4, nuclear receptor coactivator 4.