

Table SI. List of primary antibodies used for WB and IP.

Antigen	WB dilution	IP dilution	Antibody name	Catalog number	Company
β -actin ^a	1:1,000	n/a	Actin (I-19) goat pAb	sc-1616	SCB
β -actin ^b	1:1,000	n/a	β -actin rabbit pAb	PA1-183	Thermo Fisher Scientific, Inc.
GRP78	1:200	n/a	GRP 78 (H-129) rabbit pAb	sc-13968	SCB
PERK	1:1,000	n/a	PERK (H-300) rabbit pAb	sc-13073	SCB
eIF-2 α	1:1,000	n/a	eIF2 α (FL-315) rabbit pAb	sc-11386	SCB
p-eIF-2 α	1:1,000	n/a	p-eIF2 α (Ser 52) rabbit pAb	sc-101670	SCB
CHOP	1:1,000	n/a	GADD 153 (R-20) rabbit pAb	sc-793	SCB
HSP60	1:1,000	n/a	HSP60 (D6F1) XP [®] rabbit mAb	12165	CST
IRE1 α	1:1,000	n/a	IRE1 α (H-190) rabbit pAb	sc-20790	SCB
JNK	1:1,000	n/a	JNK (FL) rabbit pAb	sc-571	SCB
p-JNK	1:1,000	n/a	p-JNK (Thr 183/Tyr 185) goat pAb	sc-12882	SCB
c-Jun	1:1,000	n/a	c-Jun (D) rabbit pAb	sc-44	SCB
Bcl2	1:1,000	n/a	Bcl2 (N-19) rabbit pAb	sc-492	SCB
p38 α	1:1,000	n/a	p38 α (C-20) rabbit pAb	sc-535	SCB
p-p38 α	1:1,000	n/a	p-p38 (Thr 180/Tyr 182)-R rabbit pAb	sc-17852-R	SCB
Caspase-9	1:1,000	n/a	Caspase-9 p10 (H-83) rabbit pAb	sc-7885	SCB

Bax	1:1,000	n/a	Bax (N-20) rabbit pAb	sc-493	SCB
PARP1	1:1,000	n/a	PARP1 (H-300) rabbit pAb	sc-25780	SCB
AIF	1:1,000	n/a	AIF (IN) rabbit polyclonal	ADI-905-168-100	ELS
Caspase-3	1:1,000	n/a	Caspase-3 (H-277) rabbit pAb	sc-7148	SCB
LC3	1:1,000	n/a	Anti-LC3A/B rabbit pAb	ab58610	Abcam
Beclin-1	1:1,000	n/a	Beclin-1 (D40C5) rabbit mAb	3495	CST
p62	1:1,000	n/a	SQSTM1/p62 rabbit pAb	5114	CST
Lamin B	1:1,000	n/a	Lamin B (M-20) goat pAb	sc-6217	SCB
PI3K	1:1,000	n/a	Anti-PI3 kinase, p85, N-SH2, clone UB93-3 mouse mAb	05-217	Millipore
ATG5	1:1,000	n/a	Atg5 (D5F5U) rabbit mAb	12994	CST
ATG7	1:1,000	n/a	Atg7 (D12B11) rabbit mAb	8558	CST
GSTO1 ^c	1:1,000	n/a	GSTO1 (G-20) rabbit pAb	sc-74936	SCB
GSTO1 ^d	1:1,000	1:50	GSTO1 mouse mAb	sc-130317	SCB
TNFAIP3/A20	1:1,000	n/a	A20/TNFAIP3 rabbit pAb	4625	CST
ABCB1	1:500	n/a	Anti-P glycoprotein rabbit pAb	ab226937	Abcam

^aUsed to blot β -actin in Figs. 1, 2 and S6. ^bUsed to blot β -actin in Figs. 3, 5 and S7. ^cUsed to blot GSTO1 in Figs. 1 and 3. ^dUsed to blot GSTO1 in Fig. 5. ABCB1, ATP-binding cassette subfamily B member 1; AIF, apoptosis-inducing factor; ATG, autophagy-related gene; CST, Cell Signaling Technology, Inc.; eIF2 α , eukaryotic initiation factor 2 α ; ELS, Enzo Life Sciences, Inc.;

GRP78, glucose-regulated protein 78; GSTO1, glutathione-S-transferase Ω -1; HSP60, heat-shock protein 60; IP, immunoprecipitation; IRE1 α , inositol-requiring kinase 1 α ; n/a, not applicable; p-, phosphorylated; p62, ubiquitin-binding protein p62; pAb, polyclonal antibody; mAb, monoclonal antibody; PERK, PKR-like endoplasmic reticulum kinase; SCB, Santa Cruz Biotechnology, Inc.; TNF α IP3/A20, TNF- α -induced protein 3/zinc-finger protein A20; WB, western blot.

Table SII. List of secondary antibodies used for WB.

Antigen	WB dilution	Antibody name	Catalog number	Company
Mouse IgG	1:3,000	Goat anti-mouse IgG (HRP conjugate)	BML-SA204-0100	ELS
Rabbit IgG	1:2,000	Goat anti-rabbit IgG-HRP	Sc-2004	SCB
Goat IgG	1:2,000	Donkey anti-goat IgG-HRP	sc-2020	SCB

ELS, Enzo Life Sciences, Inc.; HRP, horseradish peroxidase; IgG, immunoglobulin G; SCB, Santa Cruz Biotechnology, Inc.; WB, western blot.

Table SIII. Oligonucleotide pairs used for electrophoretic mobility shifts assay.

Gene	Sequence (5'-3')	Size (bp)
AP1	CGCTTGATGACTCAGCCGGAA TTCCGGCTGAGTCATCAAGCG	21

AP1, activator protein 1.