

Table SI. Antibodies.

Antibody	Cat. no.	Species	Company
GSDMC	A14550	Rabbit	Abclonal
GSDMD	ab210070	Rabbit	Abcam
GSDME	ab215191	Rabbit	Abcam
OPA1	612607	Mouse	BD Biosciences
β -actin	81115-1-RR	Rabbit	Proteintech Group, Inc.
SLC31A1	67221-1-Ig	Mouse	Proteintech Group, Inc.
GLS (KGA/GAC)	12855-1-AP	Rabbit	Proteintech Group, Inc.

GSDM, gasdermin; OPA, Optic atrophy; SLC31A1, Solute carrier family 31 member; GLS (KGA/GAC), Glutaminase (kidney Glutaminase/ Glutaminase C)

Table SII. Reagents.

Reagent	Cat. no.	Company
Ammonium Tetrathiomolybdate	A189030	Shanghai Aladdin Biochemical Technology Co., Ltd.
Protein Marker Dual Color	1610374	Bio-Rad Laboratories, Inc.
HRP-labeled Goat Anti-Rabbit IgG (H+L)	A0208	Beyotime Institute of Biotechnology
HRP-labeled Goat Anti-Mouse IgG (H+L)	A0216	Beyotime Institute of Biotechnology
Penicillin-Streptomycin Solution	C0222	Beyotime Institute of Biotechnology
Z-VAD-FMK	C1202	Beyotime Institute of Biotechnology
MTT Cell Proliferation and Cytotoxicity Assay kit	C0009	Beyotime Institute of Biotechnology
Reactive Oxygen Species Assay kit	S0033	Beyotime Institute of Biotechnology
Crystal Violet Staining Solution	C0121	Beyotime Institute of Biotechnology
BSA, Fraction V	ST023	Beyotime Institute of Biotechnology
Western Stripping buffer	P0025	Beyotime Institute of Biotechnology
N-Acetyl-L-cysteine	ST1546	Beyotime Institute of Biotechnology
GSH	S0073	Beyotime Institute of Biotechnology
MitoTracker® Deep Red FM	8778S	Cell Signaling Technology, Inc.
Annexin V-FITC/PI apoptosis detection kit	KGA108	Nanjing KeyGen Biotech Co., Ltd.
Trypsin EDTA Solution A	C3530-0500	VivaCell BIOSCIENCES
5X DualColor Protein Loading Buffer	FD006	Hangzhou Fude Biotechnology Co., Ltd.
DMEM	C11995500BT	Gibco (Thermo Fisher Scientific, Inc.)
DMEM (Non-glucose)	11966-025	Gibco (Thermo Fisher Scientific, Inc.)
Mitoxox Red	M36008	Invitrogen (Thermo Fisher Scientific, Inc.)
Fucoxanthin	F861277	Shanghai Macklin Biochemical Co., Ltd.
Deferoxamine mesylate	HY-B0988	MedChemExpress
Ferrostatin-1	HY-100579	MedChemExpress
3-Methyladenine	HY-19312	MedChemExpress
Bafilomycin A1	HY-100558	MedChemExpress
Cisplatin	HY-17394	MedChemExpress
Immobilon®-PSQ PVDF membrane	ISEQ00010	MilliporeSigma
PhosSTOP EASYpack	04906837001	Roche Applied Science
Necrostatin-1	S8037	Selleck Chemicals
Necrosulfonamide	S8251	Selleck Chemicals
Reduced Glutathione Content Assay kit	BC1175	Beijing Solarbio Science & Technology Co., Ltd.
1X PBS	P1020	Beijing Solarbio Science & Technology Co., Ltd.
Puromycin	P8320	Beijing Solarbio Science & Technology Co., Ltd.
20X TBST	T1082	Beijing Solarbio Science & Technology Co., Ltd.
Non-Fat Powdered Milk	D8340	Beijing Solarbio Science & Technology Co., Ltd.
30% Acr-Bis (29:1)	A1010	Beijing Solarbio Science & Technology Co., Ltd.
Glycine	G8200	Beijing Solarbio Science & Technology Co., Ltd.
SDS	S8010	Beijing Solarbio Science & Technology Co., Ltd.
Tris (Hydroxymethyl) Aminomethane	T8060	Beijing Solarbio Science & Technology Co., Ltd.
1.5 M Tris-HCL (pH 8.8)	T1010	Beijing Solarbio Science & Technology Co., Ltd.
1 M Tris-HCl (pH 6.8)	T1020	Beijing Solarbio Science & Technology Co., Ltd.
Glucose	G7021	Sigma-Aldrich (Merck KGaA)
L-glutamine	GB0224	Sangon Biotech Co., Ltd.
Seahorse XF Cell Energy Phenotype Test kit	103592-100	Agilent Technologies (China) Co., Ltd.
Seahorse XF Base Medium	102353-100	Agilent Technologies (China) Co., Ltd.
Pierce BCA protein assay kit	23225	Thermo Fisher Scientific, Inc.
SuperSignal™ West Pico PLUS kit	34580	Thermo Fisher Scientific, Inc.
Fetal bovine serum	SE100-B	Biovis Diagnostik MVZ GmbH

Z-VAD-FMK, Z-Val-Ala-Asp; GSH, Glutathione; FM, Fixable Medium.