

Supplementary Table S1 Antibody Information

Antibodies/Fluorescent dye	Source	Dilution
Anti-SIRT3 Ab	Affinity AF5135	1:1000
Anti-SOD2 Ab	Proteintech 24127-1-AP	1:200(IF) 1:10000(WB)
Anti-ac-SOD2 (K68) Ab	Abcam ab137037	1:250(IF) 1:3000(WB)
Anti-NRF2 Ab	Proteintech 80593-1-RR	1:5000(WB)
Anti-DRP1Ab	CST 8570S	1:100(IF) 1:1000(WB)
Anti-MFN1 Ab	Proteintech 66776-1-Ig	1:400(IF) 1:8000(WB)
Anti-FIS1 Ab	Proteintech 66635-1-Ig	1:500(IF) 1:4000(WB)
Anti-OPA1 Ab	Huabio ET1705-9	1:1000(WB)
Anti-PINK1 Ab	Proteintech 23274-1-AP	1:500(IF) 1:1000(WB)
Anti-Parkin Ab	Santa sc-32282	1:500(WB)
Anti-BAX Ab	Wanlei WL01637	1:500(WB)
Anti-Bcl2 Ab	Wanlei WL01556	1:500(WB)
Anti-P16 Ab	Santa sc-1661	1:500(WB)
Anti-P21 Ab	Santa sc-817	1:500(WB)
Anti-CytC Ab	Wanlei WL02410	1:500(WB)
Anti-p-ATM (S1981) Ab	HuaBio JM93-25	1:1000(WB)
Anti-IL10 Ab	Wanlei WL03088	1:500(WB)
Anti-TNF α Ab	Wanlei WL01581	1:500(WB)
Anti-IL1 α Ab	Wanlei WL02541	1:500(WB)
Anti-SIRT1 Ab	Huabio ET1603-3	1:2000(WB)
Anti-FOXO1 Ab	Proteintech 18592-1-AP	1:4000(WB)
Anti-LAMP2 Ab	Santa sc-19991	1:500(WB)
Anti-P62 Ab	Proteintech 18420-1-AP	1:10000(WB)
Anti-PGC1 α Ab	Proteintech 66369-1-Ig	1:10000(WB)
Anti-ZO1 Ab	Wanlei WL03419	1:500(WB)
Anti- Occludin Ab	Wanlei WL01996	1:500(WB)
Anti-NLRP3 Ab	Proteintech 68102-1-Ig	1:200(IF) 1:5000(WB)
Anti-LC3 β Ab	ABclonal A19665	1:200(IF) 1:5000(WB)
Anti-Actin Ab	Huabio EM21002	1:20000(WB)
Anti-GAPDH Ab	Huabio ET1601-4	1:20000(WB)
Anti-Tubulin Ab	Proteintech 66031-1-Ig	1:20000(WB)
Rhodamine Phalloidin	Life technologies R415	1:800(IF)
FITC Anti- α -tubulin Ab	Sigma F2168	1:400(IF)
Anti-mtTFA Ab	Immunoway YT2916	1:200(IF)
Anti- γ H2A.X Ab	CST 9718s	1:400(IF)
Calcein-AM	Yeaden 40719ES50	1:1000
TMRE	Beyotime C2001S	1:1000
Mito-Tracker Red	Beyotime C1035	1:2000
DCFH-DA	Beyotime S0034S	1:1000
Lyso-Tracker Red	Beyotime C1046	1:15000
Fluo 4-AM	Yeaden 40704ES50	1:500