

Supplementary Table S1. The primary antibodies used in this study.

Antibodies	Catalog#	Provider
HRC	HPA004833	Atlas Antibodies
Caspase3	9662	Cell signaling technology
Bcl-2	15071	Cell signaling technology
Bip	3177	Cell signaling technology
CHOP	5554	Cell signaling technology
PERK	5683	Cell signaling technology
ATF4	11815	Cell signaling technology
IRE1a	3294	Cell signaling technology
ATF6	65880	Cell signaling technology
SERCA2	9580	Cell signaling technology
IP3R3	610313	BD Transduction Laboratories

Supplementary Table S2. Primers For RT-qPCR

HRC	Forward (5' → 3') Reverse (5' → 3')	GGAACAACAGCACTGGAG GTGCTCAGCTGAGTCTTC
BiP (Grp 78)	Forward (5' → 3') Reverse (5' → 3')	CATCACGCCGTCCTATGTCG CGTCAAAGACCGTGTTCTCG
ATF4	Forward (5' → 3') Reverse (5' → 3')	CCCTTCACCTTCTTACAACCTC TGCCCAGCTCTAAACTAAAGGA
CHOP	Forward (5' → 3') Reverse (5' → 3')	GGAAACAGAGTGGTCATTCCC CTGCTTGAGCCGTTTATTCTC
PERK	Forward (5' → 3') Reverse (5' → 3')	ACGATGAGACAGAGTTGCGAC ATCCAAGGCAGCAATTCTCCC
Bcl-2	Forward (5' → 3') Reverse (5' → 3')	GGTGGGGTCATGTGTGTGG CGGTCAGGTACTIONCAGTCATCC
ATF6	Forward (5' → 3') Reverse (5' → 3')	CGCCTTTTAGTCCGGTTCTT CCAGTTGGTAACAATGCCATGT
IRE1a	Forward (5' → 3') Reverse (5' → 3')	GCGCTACAGGCGTTACAAATA TCGTGGAATCCTTCTGGAACT
RYR1	Forward (5' → 3') Reverse (5' → 3')	TCACATGTACGTGGGTGTCC CAACAGGATGACGATGACGA
IP3R3	Forward (5' → 3') Reverse (5' → 3')	CTGCCCAAGAGGAGGAGGAAG GAACAGCGCGGCAATGGAGAAG
SERCA2	Forward (5' → 3')	ATGAGATCACAGCTATGACTGGTG GACTTGACATCTCTATGGTGACTAG

	Reverse (5' - 3')	
GAPDH	Forward (5' - 3') Reverse (5' - 3')	TCATTGACCTCAACTACATGGTTT GAAGATGGTGATGGGATTTC