

Supplementary Material

Table S1

Antibodies	Application	Vendor
Transcription factor EB	WB: 1:500 IF :100	Proteintech
anti-LC3 antibody	WB: 1:1000 IF 1:500	MBL International
anti-SQSTM1/p62 antibody	WB: 1:10000 IF: 1:400	Abcam
anti- β -Actin antibody	WB: 1:2000	Sigma
4EBP-1 antibody	WB: 1:1000	Cell signaling technology
Phospho-4EBP-1 antibody	WB: 1:1000	Cell signaling technology
p70S6K antibody	WB: 1:1000	Cell signaling technology
Phospho-p70S6K antibody	WB: 1:1000	Cell signaling technology
AKT antibody	WB: 1:1000	Cell signaling technology
Phospho-AKT antibody	WB: 1:1000	Cell signaling technology
LAMP-1 antibody	WB: 1:1000	Cell signaling technology
NFAT1 (Anti-NFATc2 Antibody)	WB: 1:200	Santa Cruz Biotechnology, Inc.
NFAT2 (NFATC1 Monoclonal Antibody)	WB: 1:2,000	Invitrogen (ThermoFisher Scientific)
NFAT3 (Anti-NFATc4 Antibody)	WB: 1:100	Santa Cruz Biotechnology, Inc.
NFAT4 (Anti-NFATc3 Antibody)	WB: 1:200	Santa Cruz Biotechnology, Inc.
RPE65 antibody	WB: 1:100	Santa Cruz Biotechnology, Inc.

Table S2

Human Primer	Sequence
TFEB-R	CGTCCAGACGCATAATGTTGTC
TFEB-F	ACCTGTCCGAGACCTATGGG
LAMP-1-R	TGTTCTCGTCCAGCAGACAC
LAMP-1-F	CTGCCTTTAAAGCTGCCAAC
CTSD-R	CCCGAGCCATAGTGGATGT
CTSD-F	CACCACAAGTACAACAGCGAC
MCON1-R	AACTCGTTCTGCAGCAGGAAGC
MCON1-F	TCTTCCAGCACGGAGACAAC
LC3-R	AGATTGGTGTGGAGACGCTG
LC3-F	AGCAGCTTCCTGTTCTGGAT
18s-R	AGTCGGCATCGTTTATGGTC
18s-F	CGCGGTTCTATTTTGTGTT
IL-6-R	GTCAGGGGTGGTTATTGCAT
IL-6-F	GGAGACTTGCCCTGGTGAAAA
IL-8-R	GGTGGAAGGTTTGGAGTATGTCTT
IL-8-F	CTTCCTGATTTCTGCAGCTCTGT
NFAT1-R	CGTTTTCTCTTCCCATTGATGAC
NFAT1-F	AAGAGCCAGCCCAACATGC
NFAT2-R	ACTGACGTGAACGGGGCTGG
NFAT2-F	CTGTGCAAGCCGAATTCTCTGG
NFAT3-R	AGCGTCACCTCGTTGCTCTGC
NFAT3-F	GTCCTGATGGGAAGCTGCAATGG
NFAT4-R	TGATGTGGTAAGCAAAGTGGTGTGGT
NFAT4-F	GCGGCCTGCAGATCTTGAGC
Mouse Primer	Sequence
β -actin-R	ACCAGAGGCATACAGGGACA
β -actin-F	CTAAGGCCAACCGTGAAAAG
P62-R	GCCAAAGTGTCCATGTTTCA
P62-F	AGGGAACACAGCAAGCT
β -actin	Mm02619580_g1 Taqman probe
TFEB	Mm00448968_m1 Taqman probe
LC3	Mm00782868_sH Taqman probe
LAMP-1	Mm00495262_m1 Taqman probe