

Major Resources Table

In order to allow validation and replication of experiments, all essential research materials listed in the Methods should be included in the Major Resources Table below. Authors are encouraged to use public repositories for protocols, data, code, and other materials and provide persistent identifiers and/or links to repositories when available. Authors may add or delete rows as needed.

Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex	Persistent ID / URL
ATG7F/F mouse	Dr. Massaki Komatsu	C57BL/6N	Male	
C57BL/6N	Charles River	C57BL/6N	Male	
α MHC-merCremer	Jackson Lab	C57BL/6N	M/F	https://www.jax.org/strain/005657

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male	See above				
Parent - Female	See above				

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
LC3	Dr. Hill's lab Rabbit antiserum		1:1000		
ATG7	Cell Signaling	2631	1:1000		https://www.cellsignal.com/products/primary-antibodies/atg7-antibody/2631
APG7 (ATG7)	Anaspec	54231	1:500		http://78.41.76.137/antibodyshop/datasheet/eurogent54231.pdf
GAPDH	Fitzgerald	10R-G109a	1:10,000		https://www.fitzgerald-fii.com/gapdh-antibody-10r-g109a.html
Anti-DNP	Millipore	S7150	1:1000		https://www.emdmillipore.com/US/en/product/OxyBloProtein-Oxidation-Detection-Kit,MM_NF-S7150
pS6(Ser235/236)	Cell Signaling	4858	1:1000		https://www.cellsignal.com/
pmTOR(Ser2448)	Cell Signaling	2971	1:1000		https://www.cellsignal.com/
mTOR	Cell Signaling	2972	1:1000		https://www.cellsignal.com/
p4EBP1 (Thr37/46)	Cell Signaling	2855	1:1000		https://www.cellsignal.com/
4EBP1	Cell Signaling	9452	1:1000		https://www.cellsignal.com/

DNA/cDNA Clones

Clone Name	Sequence	Source / Repository	Persistent ID / URL
N/A			

DOI [to be added]

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)	Persistent ID / URL
Neonatal rat ventricular cardiomyocytes	Primary culture	both	
Adult rat ventricular cardiomyocytes	Primary culture	Male	
Adult mouse ventricular cardiomyocytes	Primary culture	Male	

Data & Code Availability

Description	Source / Repository	Persistent ID / URL
No big data is generated.		

Other

Description	Source / Repository	Persistent ID / URL