

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
Wild-type C57Bl/6J	Otago BRF	C57BL/6J	M/F	
CaMKII δ -KO	Otago BRF	C57BL/6J / C57BL/6NCrl	M/F	Initial breeders were a gift from JHB (JCI Vol 119, No 5, 2009)

Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male	Wild-type C57Bl/6J	Otago BRF	C57BL/6J	Colony maintained by Otago BRF	146418/7679
Parent - Female	CaMKII δ -C273S	Australia Phenomics Facility	C57BL/6NCrl	Progeny/colony maintained by Otago BRF	143543//43

Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
CaMKII delta Polyclonal	Thermo Fisher	PA5-22168	1:5000 or 1:2000		AB_11153337
Ryanodine Receptor [34C]	Abcam	ab2868	1:500		AB_2183051
SERCA2a	Badrilla	A010-20	1:5000		AB_2631042
Goat anti-Mouse IgG (H+L) Secondary, HRP	Thermo Fisher	31430	1:10000 or 1:20000		AB_228307
Goat anti-Rabbit IgG (H+L) Secondary, HRP	Thermo Fisher	31460	1:10000		AB_228341
GAPDH [GT239]	GeneTex	GTX627408	1:10000		AB_11174761
HRP Anti-beta Actin antibody [AC-15]	Abcam	ab49900	1:20000		AB_867494

DNA/cDNA Clones

Clone Name	Sequence	Source / Repository	Persistent ID / URL

Cultured Cells

Name	Vendor or Source	Sex (F, M, or unknown)	Persistent ID / URL

DOI [to be added]

--	--	--	--

Other

Description	Vendor or Source	Persistent ID / URL
Isoproterenol (hydrochloride)	Merck	420355
S-Nitroso-L-glutathione (GSNO)	Caymen Chemicals	82240
Sodium nitroprusside dihydrate (SNP)	Sigma	71778-25G
ODQ	Tocris	0880
Collagenase type II	Worthington Biochemical	LS004176
Isothesia NXT	Covetrus	Supplied by Otago Animal Welfare Office