

## Major Resources Table

### Animals (in vivo studies)

Species	Vendor or Source	Background Strain	Sex	Persistent ID / URL
mouse	Jackson Laboratory 017989	FKBP5 <sup>-/-</sup> mouse (C57BL6/J)	Male and female	<a href="https://www.jax.org/strain/017989">https://www.jax.org/strain/017989</a>
mouse	See table below	FKBP5-cKD mice (C57BL6/J)	Male and female	
mouse	See table below	FKBP5 <sup>flox/flox</sup> mice (C57BL6/J)	Male and female	

### Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent – Male/female	mouse	Jackson Laboratory 017989	FKBP5 <sup>+/-</sup> mouse (C57BL6/J)	To yield FKBP5 <sup>-/-</sup> mouse	<a href="https://www.jax.org/strain/017989">https://www.jax.org/strain/017989</a>
Parent – Female/male	mouse	Jackson Laboratory 017989	FKBP5 <sup>+/-</sup> mouse (C57BL6/J)		<a href="https://www.jax.org/strain/017989">https://www.jax.org/strain/017989</a>
Parent – Male/female	mouse	MMRRC:047712-UCD KOMP	Fkbp5tm1a(KOMP)Wtsi (C57BL6/J)	To yield FKBP5 <sup>flox/flox</sup> mice	<a href="https://www.mmrrc.org/catalog/locus_detail.php?mgi_id=MGI:4941990">https://www.mmrrc.org/catalog/locus_detail.php?mgi_id=MGI:4941990</a>
Parent – Female/male	mouse	Jackson Laboratory 003946	Flp-KI		<a href="https://www.jax.org/strain/003946">https://www.jax.org/strain/003946</a>
Parent – Male/female	mouse		FKBP5 <sup>flox/flox</sup> mice (C57BL/J)	To yield FKBP5-cKD mice	N/A
Parent – Female/male	mouse	Jackson Laboratory 005657	Myh6 <sup>MCM/+</sup> (C57BL6/J)		<a href="https://www.jax.org/strain/005657">https://www.jax.org/strain/005657</a>

### Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Lot # (preferred but not required)	Persistent ID / URL
CD68	Abcam	ab201973	1:1000	N/A	<a href="https://www.abcam.com/products/primary-antibodies/cd68-antibody-3f7d3-ab201973.html">https://www.abcam.com/products/primary-antibodies/cd68-antibody-3f7d3-ab201973.html</a>
Collagen IA	Abcam	Ab34710	1:1000	N/A	<a href="https://www.abcam.com/products/primary-antibodies/collagen-i-antibody-ab34710.html">https://www.abcam.com/products/primary-antibodies/collagen-i-antibody-ab34710.html</a>
MMP9	Santa Cruz	sc-393859	1:1000	N/A	<a href="https://www.scbt.com/p/mmp-9-antibody-e-11?gclid=CjwKCAjw0N6hBhAUEiwAXab-TajNdo_v9XFUZGenPZAC13RXmggrb7-CWRCmoZN5CgYpyER4_svhyBoCtYgQAvD_BwE">https://www.scbt.com/p/mmp-9-antibody-e-11?gclid=CjwKCAjw0N6hBhAUEiwAXab-TajNdo_v9XFUZGenPZAC13RXmggrb7-CWRCmoZN5CgYpyER4_svhyBoCtYgQAvD_BwE</a>

aSMA	ThermoFisher	Invitrogen MA1-06110	1:1000	N/A	<a href="https://www.thermofisher.com/antibody/product/Alpha-Smooth-Muscle-Actin-Antibody-clone-1A4-Monoclonal/MA1-06110">https://www.thermofisher.com/antibody/product/Alpha-Smooth-Muscle-Actin-Antibody-clone-1A4-Monoclonal/MA1-06110</a>
NCX1	Abcam	Ab2869	1:500	N/A	<a href="https://www.abcam.com/products/primary-antibodies/ncx1-antibody-c2c12-ab2869.html">https://www.abcam.com/products/primary-antibodies/ncx1-antibody-c2c12-ab2869.html</a>
FKBP5	Abcam	Ab126715	1:1000	N/A	<a href="https://www.abcam.com/products/primary-antibodies/fkbp51-antibody-epr6617-ab126715.html">https://www.abcam.com/products/primary-antibodies/fkbp51-antibody-epr6617-ab126715.html</a>
FKBP5	Custom antibody	Mouse monoclonal	1:1000	N/A	<a href="https://www.bcm.edu/research/atc-core-labs/protein-and-monoclonal-antibody-production-core">https://www.bcm.edu/research/atc-core-labs/protein-and-monoclonal-antibody-production-core</a>
RyR2	ThermoFisher	Invitrogen PA5-77717	1:1000	N/A	<a href="https://www.thermofisher.com/antibody/product/RyR2-Antibody-Polyclonal/PA5-77717">https://www.thermofisher.com/antibody/product/RyR2-Antibody-Polyclonal/PA5-77717</a>
Cav1.2	Alomone	ACC-003	1:1000	N/A	<a href="https://www.alomone.com/p/anti-cav1-2-antibody/ACC-003?gclid=CjwKCAjw0N6hBhAUeIwAXab-TSKNMfWKKEO1HZiK3_uZE9DkthQ5HEz0A-EgOwyMVXfv62IPY3m6PxoCYLkQAvD_BwE">https://www.alomone.com/p/anti-cav1-2-antibody/ACC-003?gclid=CjwKCAjw0N6hBhAUeIwAXab-TSKNMfWKKEO1HZiK3_uZE9DkthQ5HEz0A-EgOwyMVXfv62IPY3m6PxoCYLkQAvD_BwE</a>
SERCA2a	ThermoFisher	Invitrogen MA3-919	1:1000	N/A	<a href="https://www.thermofisher.com/antibody/product/SERCA2-ATPase-Antibody-clone-2A7-A1-Monoclonal/MA3-919">https://www.thermofisher.com/antibody/product/SERCA2-ATPase-Antibody-clone-2A7-A1-Monoclonal/MA3-919</a>
PMCA	ThermoFisher	Invitrogen MA3-914	1:1000	N/A	<a href="https://www.thermofisher.com/antibody/product/PMCA-ATPase-Antibody-clone-5F10-Monoclonal/MA3-914">https://www.thermofisher.com/antibody/product/PMCA-ATPase-Antibody-clone-5F10-Monoclonal/MA3-914</a>
HIF-1 $\alpha$	CST	36169	1:1000	N/A	<a href="https://www.cellsignal.com/products/primary-antibodies/hif-1a-d1s7w-xp-rabbit-mab/36169?site-search-type=Products&amp;N=4294956287&amp;Ntt=d1s7w&amp;fromPage=plp">https://www.cellsignal.com/products/primary-antibodies/hif-1a-d1s7w-xp-rabbit-mab/36169?site-search-type=Products&amp;N=4294956287&amp;Ntt=d1s7w&amp;fromPage=plp</a>
GAPDH	CST	97166	1:1000	N/A	<a href="https://www.cellsignal.com/products/primary-antibodies/gapdh-d4c6r-mouse-mab/97166?site-search-type=Products&amp;N=4294956287&amp;Ntt=gapdh&amp;fromPage=plp">https://www.cellsignal.com/products/primary-antibodies/gapdh-d4c6r-mouse-mab/97166?site-search-type=Products&amp;N=4294956287&amp;Ntt=gapdh&amp;fromPage=plp</a>
Gb	Santa Cruz	Sc-378	1:500	N/A	<a href="https://www.scbt.com/p/gbeta-antibody-t-20?requestFrom=search">https://www.scbt.com/p/gbeta-antibody-t-20?requestFrom=search</a>
Histone H3	CST	3638	1:1000	N/A	<a href="https://www.cellsignal.com/products/primary-antibodies/histone-h3-96c10-mouse-mab/3638">https://www.cellsignal.com/products/primary-antibodies/histone-h3-96c10-mouse-mab/3638</a>
Caveolin-3	abcam	ab87770	1:1000	N/A	<a href="https://www.abcam.com/products/primary-antibodies/caveolin-3-antibody-ab87770.html">https://www.abcam.com/products/primary-antibodies/caveolin-3-antibody-ab87770.html</a>
Anti-Mouse IgG Secondary antibody	ThermoFisher	Invitrogen A32729	1:10,000	N/A	<a href="https://www.thermofisher.com/antibody/product/Goat-anti-Mouse-IgG-H-L-Highly-Cross-Adsorbed-Secondary-Antibody-Polyclonal/A32729">https://www.thermofisher.com/antibody/product/Goat-anti-Mouse-IgG-H-L-Highly-Cross-Adsorbed-Secondary-Antibody-Polyclonal/A32729</a>
Anti-Rabbit IgG Secondary antibody	ThermoFisher	Invitrogen A32735	1:10,000	N/A	<a href="https://www.thermofisher.com/antibody/product/A32735.html?ref_id=CjwKCAjw0N6hBhAUeIwAXab-TUutqdIPV0UIFDWVVK3nNLXV03hpEFN0Qe96n18quKSGeh3proCSVoQAvD_BwE-G-x8s_kwcid=AL1365213151660815-2221!!lg!!!12825517856122158235235&amp;cid=bid_pca_aus_r01_co_cp1359_pj0000_bid0000_0se_gaw_dy_pur_con&amp;gclid=CjwKCAjw0N6hBhAUeIwAXab-TUutqdIPV0UIFDWVVK3nNLXV03hpEFN0Qe96n18quKSGeh3proCSVoQAvD_BwE">https://www.thermofisher.com/antibody/product/A32735.html?ref_id=CjwKCAjw0N6hBhAUeIwAXab-TUutqdIPV0UIFDWVVK3nNLXV03hpEFN0Qe96n18quKSGeh3proCSVoQAvD_BwE-G-x8s_kwcid=AL1365213151660815-2221!!lg!!!12825517856122158235235&amp;cid=bid_pca_aus_r01_co_cp1359_pj0000_bid0000_0se_gaw_dy_pur_con&amp;gclid=CjwKCAjw0N6hBhAUeIwAXab-TUutqdIPV0UIFDWVVK3nNLXV03hpEFN0Qe96n18quKSGeh3proCSVoQAvD_BwE</a>

## DNA/cDNA Clones

Clone Name	Sequence	Source / Repository	Persistent ID / URL
pcDNA3.1-mFKBP5	CGCAAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAGAGCTCTGGCTAACTAGAGAACCCTGCTTACTGGCTTATCGAAATTAATACGACTACTATAGGGAGACCCAAGCTGGCTAGCGTTTAAACTTAAAGCTTatgactactacaagacgatgacgacaagatgactactgatgaggcaccagtaacaatggagagaaccagcaccatgactgacgagggtgaagatctactacgaagaagacagaggagtataaagattgtcaaaagagtgaggactagacgaggcccaatgtttggtgacaaaagttatgtccactacaaagggatgttcagatggaaagaagttgattccagtcagacagaagaagcattgccttagccttgccaaggccaggtatcaagcctgggacattgggtgtcactatgaagaaggcagatctgccattatgtaaaccagaatgtctatggctcgctggccacctcaaaaaattccatcaatgcaactctttttgagattgagctcttgattcaaggaggattattgaaagattcagcgttatccgtagaatcaaacggaaaggcagggatactcaaacccaacgaaggagcaacggtaaaagtccacctggaaggctgctgtggtggaaggacattgattgccgagatgtggtgtcgtgtggggaaggagaagaccacgacattccgattgggatcgacaagccctggtgaagatgcagagagaagaacagtgattctatatctggaccacgctatggtttggagaagccgggaagcctaagttggcattgacccaatgctgagctatgtacgagtcacccttaagagctcagaaggccaagaatctgggagatggacccaagaaaagctgacgcaggctccatcgtgaagagaagggaaactgtgattcaaggaggcaagtaacgcagcaggcctgattcagtagcaggaagatagtgctcctggcggagatggaatacggc	Self-made	N/A

	ctgtcagagaaggagtgcaaacgctcagagtcggttcctcctcgcagccttctgaacctggccatgtgctacctgaagctcc gagagtaacaagaagccgtggagtgtgcaacaaggccctggactggacagtgccaatgagaaggctgtacagaag ggcgaggcccagctgctcatgaatgactttgagtcggccaaggcgacttcgagaaggttggcagtgcaatcctcagaa caggccgctgcctcagatctccatgtgccagaggaaggcgaaggagcacaacgagcgggaccgaggtgtacgcc aacatgttcaagaagttcgcagagcgggacgcaaggagggaagccagcaaaagctgggagcaagaaggctgtagaagg agccgctggcaacaacacagagagtcaggccatggaagaaggaaaggccaaggccatgtatgaCTCGAGTCTAG AGGGCCCGTTTAAACCCGCTGATCAGCCTCGACTGTGCCTTCTAGTTGCCAGCCATCTGTTGTT TGCCCCCCCCGTGCCTTCCTTGACCCTGGAAGGTGCCACTCCCCTGTCTTTCTAATAAA ATGAGGAAATTGCATCGCATTGTCTGAGTAGGTGTCTATTCTATTCTGGGGGGTGGGGTGGGG CAGGACAGCAAGGGGGAGGATTGGGAAGACAATAGCAGGCATGCTGGGGATGCGGTGGGC TCTATGGCTTCTGAGGCGGAAAGAACCAGCTGGGGCTC		
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**Cultured Cells**

Name	Vendor or Source	Sex (F, M, or unknown)	Persistent ID / URL
H9C2	ATCC	unknown	<a href="https://www.atcc.org/products/crl-1446">https://www.atcc.org/products/crl-1446</a>
HEK293	ATCC	unknown	<a href="https://www.atcc.org/products/crl-1573">https://www.atcc.org/products/crl-1573</a>

**Data & Code Availability**

Description	Source / Repository	Persistent ID / URL
N/A		

**Other**

Description	Source / Repository	Persistent ID / URL
N/A		