

## 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
<b>Mus musculus</b>	Jackson lab	C57BL/6	M	<a href="https://www.jax.org/strain/000664">https://www.jax.org/strain/000664</a>

### Genetically Modified Animals

	Species	Vendor or Source	Background Strain	Other Information	Persistent ID / URL
Parent - Male	Mus musculus	Jackson Labs	FVB/NJ	FOXO1 <sup>fl/fl</sup>	<a href="https://www.jax.org/strain/024756">https://www.jax.org/strain/024756</a>
Parent - Female	Mus Musculus	Jackson Labs	C57BL/6	aMHC-Cre	<a href="https://www.jax.org/strain/011038">https://www.jax.org/strain/011038</a>
	Mus musculus	Jackson Labs	C57BL/6	<i>Ppara</i> <sup>-/-</sup>	<a href="https://www.jax.org/strain/008154">https://www.jax.org/strain/008154</a>
	Mus musculus	Provided by Dr. Whitsett JA*	FVB/N	*KLF5 <sup>fl/fl</sup> # <i>aMHC-Klf5</i> <sup>-/-</sup>	* <a href="https://dev.biologists.org/content/135/15/2563">https://dev.biologists.org/content/135/15/2563</a> # <a href="https://pubmed.ncbi.nlm.nih.gov/26574507/">https://pubmed.ncbi.nlm.nih.gov/26574507/</a>
Parent - Male	Mus musculus	Provided by Dr. Whitsett JA*		R26-Isi-rtTA-TRE-Klf5	<a href="https://dev.biologists.org/content/137/23/3953">https://dev.biologists.org/content/137/23/3953</a>
Parent - Female	Mus Musculus	Jackson Labs	C57BL/6	aMHC-Cre	<a href="https://www.jax.org/strain/011038">https://www.jax.org/strain/011038</a>

### Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Persistent ID / URL
<b>KLF5</b>	Millipore	07-1580	1:1000	<a href="https://www.emdmillipore.com/US/en/product/msds/MM_NF-07-1580">https://www.emdmillipore.com/US/en/product/msds/MM_NF-07-1580</a>
<b>KLF5</b>	Abcam	ab137676	1:1000	<a href="https://www.abcam.com/klf5-antibody-ab137676.html">https://www.abcam.com/klf5-antibody-ab137676.html</a>
<b>KLF5 – ChIP grade</b>	ActiveMotif	61099		<a href="https://www.activemotif.com/catalog/details/61099/klf5-antibody-pab">https://www.activemotif.com/catalog/details/61099/klf5-antibody-pab</a>
<b>FOXO1</b>	CellSignaling	2880	1:1000	<a href="https://www.cellsignal.com/products/primary-antibodies/foxo1-c29h4-rabbit-mab/2880">https://www.cellsignal.com/products/primary-antibodies/foxo1-c29h4-rabbit-mab/2880</a>
<b>pFOXO1 (S256)</b>	CellSignaling	9461	1:1000	<a href="https://www.cellsignal.com/products/primary-antibodies/phospho-foxo1-ser256-antibody/9461">https://www.cellsignal.com/products/primary-antibodies/phospho-foxo1-ser256-antibody/9461</a>
<b>β-ACTIN</b>	Santa Cruz	SC-47778	1:200	<a href="https://www.scbt.com/p/beta-actin-antibody-c4?gclid=EAlaIqobChMIqr35qv_M6gIVRMDICh3c5qzxEAAYASAAEgLygPD_BwE">https://www.scbt.com/p/beta-actin-antibody-c4?gclid=EAlaIqobChMIqr35qv_M6gIVRMDICh3c5qzxEAAYASAAEgLygPD_BwE</a>
<b>PPARα</b>	Santa Cruz	SC-9000	1:200	<a href="https://www.scbt.com/p/pparalpha-antibody-h-98">https://www.scbt.com/p/pparalpha-antibody-h-98</a>
<b>AKT</b>	CellSignaling	9272	1:1000	<a href="https://www.cellsignal.com/products/primary-antibodies/akt-antibody/9272">https://www.cellsignal.com/products/primary-antibodies/akt-antibody/9272</a>
<b>pAKT (S473)</b>	CellSignaling	9271	1:1000	<a href="https://www.cellsignal.com/products/primary-antibodies/phospho-akt-ser473-antibody/9271">https://www.cellsignal.com/products/primary-antibodies/phospho-akt-ser473-antibody/9271</a>
<b>NOX4</b>	Abcam	ab109225	1:2000	<a href="https://www.abcam.com/nadph-oxidase-4-antibody-uotr1b492-ab109225.html">https://www.abcam.com/nadph-oxidase-4-antibody-uotr1b492-ab109225.html</a>

<b>NOX2 (gp91-phox)</b>	Santa Cruz	SC-130543	1:200	<a href="https://www.scbt.com/p/gp91-phox-antibody-54-1?gclid=EAlaIqObChMlpKeuzP_M6glVBY7ICh0xgQaoEAAYASAAEgLQgyD_BwE">https://www.scbt.com/p/gp91-phox-antibody-54-1?gclid=EAlaIqObChMlpKeuzP_M6glVBY7ICh0xgQaoEAAYASAAEgLQgyD_BwE</a>
<b>ATP5a</b>	Abcam	ab14748	1:1000	<a href="https://www.abcam.com/atp5a-antibody-15h4c4-mitochondrial-marker-ab14748.html">https://www.abcam.com/atp5a-antibody-15h4c4-mitochondrial-marker-ab14748.html</a>
<b>VDAC1</b>	Abcam	ab15895	1:1000	<a href="https://www.abcam.com/vdac1-porin-antibody-mitochondrial-loading-control-ab15895.html">https://www.abcam.com/vdac1-porin-antibody-mitochondrial-loading-control-ab15895.html</a>
<b>IgG</b>	Millipore Sigma	NI02		<a href="https://www.emdmillipore.com/US/en/product/Normal-Goat-IgG,EMD_BIO-NI02">https://www.emdmillipore.com/US/en/product/Normal-Goat-IgG,EMD_BIO-NI02</a>
<b>FOXO1 – ChIP grade</b>	Abcam	ab39670		<a href="https://www.abcam.com/foxo1a-antibody-chip-grade-ab39670.html">https://www.abcam.com/foxo1a-antibody-chip-grade-ab39670.html</a>
<b>A-TUBULIN</b>	Santa Cruz	sc-5286	1:200	<a href="https://www.scbt.com/p/alpha-tubulin-antibody-b-7">https://www.scbt.com/p/alpha-tubulin-antibody-b-7</a>
<b>GAPDH</b>	Santa Cruz	Sc-25778	1:200	<a href="https://www.scbt.com/p/gapdh-antibody-fl-335">https://www.scbt.com/p/gapdh-antibody-fl-335</a>
<b>MEF2C</b>	Abcam	ab211493	1:1000	<a href="https://www.abcam.com/mef2c-antibody-epr19089-202-chip-grade-ab211493.html">https://www.abcam.com/mef2c-antibody-epr19089-202-chip-grade-ab211493.html</a>
<b>SREBP-1</b>	Abcam	ab28481	1:1000	<a href="https://www.abcam.com/srebp1-antibody-ab28481.html">https://www.abcam.com/srebp1-antibody-ab28481.html</a>
<b>COUP-TFII</b>	Cell Signaling	6434S	1:1000	<a href="https://www.cellsignal.com/products/primary-antibodies/coup-tfii-d16c4-rabbit-mab/6434">https://www.cellsignal.com/products/primary-antibodies/coup-tfii-d16c4-rabbit-mab/6434</a>
<b>UCP3</b>	Abcam	ab180643	1:1000	<a href="https://www.abcam.com/ucp3-antibody-ab180643.html">https://www.abcam.com/ucp3-antibody-ab180643.html</a>

**Cultured Cells**

Name	Vendor or Source	Sex (F, M, or unknown)	Persistent ID / URL
<b>AC16</b>	Provided by Dr. Davidson		<a href="https://pubmed.ncbi.nlm.nih.gov/15913645/">https://pubmed.ncbi.nlm.nih.gov/15913645/</a>