

## Major Resources Table

### Antibodies

Target antigen	Vendor or Source	Catalog #	Working concentration	Persistent ID / URL
SIRT1	Santa Cruz Biotechnology	sc-15404	1:1000	<a href="https://www.scbt.com/p/sirt1-antibody-h-300">https://www.scbt.com/p/sirt1-antibody-h-300</a>
$\beta$ -Actin	Sigma-Aldrich	A2066	1:1000	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/a2066">https://www.sigmaaldrich.com/IT/it/product/sigma/a2066</a>
Secondary anti-rabbit	Sigma-Aldrich	A0545	1:80,000	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/a0545">https://www.sigmaaldrich.com/IT/it/product/sigma/a0545</a>
SIRT1	Millipore	07-131	1:1000	<a href="https://www.merckmillipore.com/IT/it/product/Anti-Sirt1Sir2-Antibody,MM_NF-07-131">https://www.merckmillipore.com/IT/it/product/Anti-Sirt1Sir2-Antibody,MM_NF-07-131</a>
Mouse IgG (negative ChIP control)	Millipore	12-371	1:1000	<a href="https://www.merckmillipore.com/IT/it/product/Normal-Mouse-IgG,MM_NF-12-371">https://www.merckmillipore.com/IT/it/product/Normal-Mouse-IgG,MM_NF-12-371</a>

### DNA/cDNA Clones

Clone Name	Sequence	Predicted amplicon size (bp)
Human-SIRT1-forward	TAG CCT TGT CAG ATA AGG AAG GA	160
Human-SIRT1-reverse	ACA GCT TCA CAG TCA ACT TTG T	
Human-p66 <sup>Shc</sup> -forward	GCC AAA GAC CCT GTG AAT CAG	114
Human-p66 <sup>Shc</sup> -reverse	GTA TTG TTT GAA GCG CAA CTC G	
Human-FOXO3-forward	CGG ACA AAC GGC TCA CTC T	150
Human-FOXO3-reverse	GGA CCC GCA TGA ATC GAC TAT	
Human-SOD2-forward	TTT CAA TAA GGA ACG GGG ACA C	109
Human-SOD2-reverse	GTG CTC CCA CAC ATC AAT CC	
Human-ARGII-forward	GCA GCT TGT TGG TTG TCA CT	154
Human-ARGII-reverse	TTC CTG CTA AGT GGC TGT GT	
Human-SIRT3-forward	GAA CAT GGC GTT CTG GGG TT	73
Human-SIRT3-reverse	CTC GAC CCG TTC AAC TAC CC	
Human-CYTB-forward	CTC ATT CAT CGA CCT CCC CA	156
Human-CYTB-reverse	TGG GCG ATT GAT GAA AAG GC	
Human-ATP6-forward	GGG CGC AGT GAT TAT AGG CT	83
Human-ATP6-reverse	TAA GGG GTG TAG GTG TGC CT	
Human-ND2-forward	CCTACGCCTAATCTACTCCACC	122
Human-ND2-reverse	CGAGAAGGGAGATGAGTGTGG	
Human-ND5-forward	GTG ATG CCC AGG GAA GAC AG	96
Human-ND5-reverse	CCC ACA ATT GAA ACA TTT CGG A	
p66 <sup>Shc</sup> promoter-forward	CTT ACT GTA TGG GGT AGC GGT T	259
p66 <sup>Shc</sup> promoter-reverse	ACG GAA AGG AAG GAG ATA GGA G	
ARGII promoter-forward	CTG CGA AGA AGG TGT GCC	217
ARGII promoter-reverse	TGG AGG AGA CGC GAG AGG	
SIRT3 promoter-forward	TTG TGG TGT CAG CCT TTG TG	176
SIRT3 promoter-reverse	CAT TTC TGT ACC CTG CGC TC	

### Other

Description	Source / Repository	Persistent ID / URL
Pressure Myograph System DMT 114P	Danish Myo Technology A/S	<a href="https://www.dmt.dk/pressure-myograph-114p.html">https://www.dmt.dk/pressure-myograph-114p.html</a>

DOI [to be added]

Norepinephrine	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/a7257">https://www.sigmaaldrich.com/IT/it/product/sigma/a7257</a>
Acetylcholine	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/a6625">https://www.sigmaaldrich.com/IT/it/product/sigma/a6625</a>
Sodium nitroprusside	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/sigald/71778L">https://www.sigmaaldrich.com/IT/it/product/sigald/71778L</a>
L-NAME	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/n5751">https://www.sigmaaldrich.com/IT/it/product/sigma/n5751</a>
SRT1720	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/mm/567860">https://www.sigmaaldrich.com/IT/it/product/mm/567860</a>
sc-40986	Santa Cruz Biotechnology	<a href="https://www.scbt.com/it/p/sirt1-sirna-h-shrna-and-lentiviral-particle-gene-silencers">https://www.scbt.com/it/p/sirt1-sirna-h-shrna-and-lentiviral-particle-gene-silencers</a>
mitoTEMPO	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/sml0737">https://www.sigmaaldrich.com/IT/it/product/sigma/sml0737</a>
tempol	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/aldrich/176141">https://www.sigmaaldrich.com/IT/it/product/aldrich/176141</a>
rotenone	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/r8875">https://www.sigmaaldrich.com/IT/it/product/sigma/r8875</a>
Gp91dstat	Sigma Aldrich SRL	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/sml2967">https://www.sigmaaldrich.com/IT/it/product/sigma/sml2967</a>
Lipofectamine RNAiMAX	Invitrogen, ThermoFisher	<a href="https://www.thermofisher.com/it/en/home/brands/product-brand/lipofectamine/lipofectamine-rnaimx.html#acet">https://www.thermofisher.com/it/en/home/brands/product-brand/lipofectamine/lipofectamine-rnaimx.html#acet</a>
TRizol Reagent	Invitrogen, ThermoFisher	<a href="https://www.thermofisher.com/order/catalog/product/15596026">https://www.thermofisher.com/order/catalog/product/15596026</a>
Moloney murine leukaemia virus reverse transcriptase and random hexamers	Amersham Bioscience	<a href="https://www.cytivalifesciences.com/en/it/shop/molecular-biology/pcr-and-amplification/kits-and-ready-to-go-beads/illustra-ready-to-go-rt-pcr-beads-p-06202">https://www.cytivalifesciences.com/en/it/shop/molecular-biology/pcr-and-amplification/kits-and-ready-to-go-beads/illustra-ready-to-go-rt-pcr-beads-p-06202</a>
SYBR Select Master Mix	Thermo Fischer	<a href="https://www.thermofisher.com/it/en/home/life-science/pcr/real-time-pcr/real-time-pcr-reagents/sybr-green-real-time-master-mixes/sybr-select-master-mix.html">https://www.thermofisher.com/it/en/home/life-science/pcr/real-time-pcr/real-time-pcr-reagents/sybr-green-real-time-master-mixes/sybr-select-master-mix.html</a>
Quant Studio 5	Thermo Fischer	<a href="https://www.thermofisher.com/order/catalog/product/A28139?SID=srch-srp-A28139">https://www.thermofisher.com/order/catalog/product/A28139?SID=srch-srp-A28139</a>
Quant Studio 7	Thermo Fischer	<a href="https://www.thermofisher.com/order/catalog/product/A43162?SID=srch-srp-A43162">https://www.thermofisher.com/order/catalog/product/A43162?SID=srch-srp-A43162</a>
MitoSOX Red	Thermo Fischer	<a href="https://www.thermofisher.com/order/catalog/product/M36008">https://www.thermofisher.com/order/catalog/product/M36008</a>
DAF-FM	Thermo Fischer	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/d2321">https://www.sigmaaldrich.com/IT/it/product/sigma/d2321</a>
ENZ-51013 ROS-ID® NO Detection kit	Enzo Life Sciences Inc	<a href="https://www.enzolifesciences.com/ENZ-51013/ros-id-no-detection-kit/">https://www.enzolifesciences.com/ENZ-51013/ros-id-no-detection-kit/</a>
MITOPY1	Bio-Techne srl	<a href="https://www.tocris.com/products/mitopy1_4428">https://www.tocris.com/products/mitopy1_4428</a>
RIPA buffer, R0278	Sigma-Aldrich	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/r0278">https://www.sigmaaldrich.com/IT/it/product/sigma/r0278</a>
Amersham Protan Nitrocellulose 0.45 µm	GE-Healthcare	<a href="https://www.sigmaaldrich.com/IT/it/product/sigma/ge10600002">https://www.sigmaaldrich.com/IT/it/product/sigma/ge10600002</a>
Clarify MAX Western ECL Substrate	Bio-Rad Laboratories	<a href="https://www.bio-rad.com/it-it/sku/1705062-clarify-max-western-ecl-substrate-100-ml?ID=1705062">https://www.bio-rad.com/it-it/sku/1705062-clarify-max-western-ecl-substrate-100-ml?ID=1705062</a>
ChemiDoc Imaging System	Bio-Rad Laboratories	<a href="https://www.bio-rad.com/it-it/product/chemidoc-mp-imaging-system?ID=NINJ8ZE8Z">https://www.bio-rad.com/it-it/product/chemidoc-mp-imaging-system?ID=NINJ8ZE8Z</a>
Magna ChIP Assay Kit	Millipore	<a href="https://www.sigmaaldrich.com/IT/it/product/mm/17610">https://www.sigmaaldrich.com/IT/it/product/mm/17610</a>

## Software

Description	Source / Repository	Persistent ID / URL
SPSS version 20.0	IBM	<a href="https://www.ibm.com/it-it/analytics/spss-statistics-software">https://www.ibm.com/it-it/analytics/spss-statistics-software</a>
GraphPad Prism 7.04	GraphPad	<a href="https://www.graphpad.com/scientific-software/prism/">https://www.graphpad.com/scientific-software/prism/</a>
Jamovi version 2.3	The Jamovi Project	<a href="https://www.jamovi.org/">https://www.jamovi.org/</a>
McBiophotonics Image J, version 1.53	National Institutes of Health	<a href="https://imagej.nih.gov/ij/download.html">https://imagej.nih.gov/ij/download.html</a>