

Major Resources Table

Primers Sequence

Name	Sequence
R-Cyp2e1-gRNA1	UP1: 5' TAGGCAACCCAGCAACTTAAGG DOWN1: 5' AAACCCTTAAGTTGCTGGGTTG
R-Cyp2e1-gRNA2	UP1: 5' TAGGGTTGGCTTCTTAGGACAT DOWN1: 5' AAACATGTCCTAAGAAGCCAAC
<i>Cyp2e1^{flox/+}</i>	R-Cyp2e1-S: TGGAAGCAGATCTATAACAGTTGGAAC R-Cyp2e1-A: TAAGAAGGTGCAGGTAAGACGGAG
<i>Cre</i>	F: AACATGCTTCATCGTCGGTC R: GTGCCTTCTCTACACCTGCG
<i>Cyp2e1-OV</i>	<i>αMHC</i> -promoter-F: TGTAGACAGCAGATCACGATTCTC <i>αMHC</i> -h-Cyp2e1-SEQ-R: ATTTCCACGAGCAGGCAGTC
<i>αMHC-cTnT^{R141W/}</i> <i>αMHC-cTnT^{R92Q}</i>	F: GAACAGGAGGAAGGCTGAGGATGAG R: TATTTCCAGCGCCCGGTGACTTTAG

Antibody information

Target antigen	Vendor or Source	Catalog #	Working concentration	Persistent ID / URL
CYP2E1	Abcam	ab19140	WB:1:500 IEM:1:150	N/A
CYP2E1	Abcam	Ab180649	WB:1:500	https://www.abcam.cn/products/primary-antibodies/natriuretic-peptides-a-antibody-ab180649.html
CYP2E1	Thermo Fisher Scientific	PA5-50945	IF:1:150 Co-IP:2μg	https://www.abcam.cn/products/primary-antibodies/atp5a-antibody-15h4c4-mitochondrial-marker-ab14748.html
ATP5A	Abcam	Ab14748	IF:1:150	https://www.abcam.cn/products/primary-antibodies/atp5a-antibody-15h4c4-mitochondrial-marker-ab14748.html
OPA1	ABclonal	A9833	WB:1:1000	https://abclonal.com.cn/catalog/A9

			Co-IP:2μg	833
IgG	ABclonal	AS070	Co-IP:2μg	https://abclonal.com.cn/catalog/AS070
OPA1	Proteintech	66583-1-Ig	IEM:1:150	https://www.ptgcn.com/products/OPA1-Antibody-66583-1-Ig.htm
Drp1	ABclonal	A2586	WB:1:1000	https://abclonal.com.cn/catalog/A2586
VDAC1	Abcam	ab14734	WB:1:1000	https://www.abcam.cn/products/primary-antibodies/vdac1porin--vdac3-antibody-20b12af2-ab14734.html
VDAC1	ABclonal	A19707	WB:1:1000	https://abclonal.com.cn/catalog/A19707
P-Drp1 (S616)	ABclonal	AP1353	WB:1:1000	https://abclonal.com.cn/catalog/AP1353
P-Drp1 (S637)	Abcam	ab193216	WB:1:1000	https://www.abcam.cn/products/primary-antibodies/drps1-phosphos637-antibody-ab193216.html
Cyto c	Cell Signaling Technology	11940	WB:1:1000	https://www.cellsignal.cn/product/productDetail.jsp?productId=11940
Pro-caspase-3	Cell Signaling Technology	9662	WB:1:1000	https://www.cellsignal.cn/product/productDetail.jsp?productId=9662
Activated caspase-3	Cell Signaling Technology	9664	WB:1:1000	https://www.cellsignal.cn/product/productDetail.jsp?productId=9664
Calnexin	Proteintech	66903-1-Ig	WB:1:5000	https://www.ptgcn.com/products/Calnexin-Antibody-66903-1-Ig.htm
GAPDH	Abcam	ab8245	WB:1:10000	https://www.abcam.cn/products/primary-antibodies/gapdh-antibody-6c5-loading-control-ab8245.html
F-actin	Thermo Fisher Scientific	R415	IF:1:50	https://www.thermofisher.cn/order/catalog/product/R415?SID=srch-srp-R415
Wheat Germ Agglutinin (WGA)	Thermo Fisher Scientific	W7024	IF:1:150	https://www.thermofisher.cn/order/catalog/product/W7024?SID=srch-srp-W7024
Goat anti-Mouse IgG (H+L), Alexa Fluor 488	Thermo Fisher Scientific	A11029	IF:1:200	https://www.thermofisher.cn/cn/zh/antibody/product/Goat-anti-Mouse-IgG-H-L-Highly-Cross-Adsorbed-Secondary-Antibody-Polyclonal/A-11029
Goat anti-Rabbit IgG (H+L), Cyanine5	Thermo Fisher Scientific	A10523	IF:1:200	https://www.thermofisher.cn/cn/zh/antibody/product/Goat-anti-Rabbit-IgG-H-L-Cross-Adsorbed-Secondary-Antibody-

				Polyclonal/A10523
Goat Anti-Rabbit IgG H&L (HRP) Secondary antibody	ZSGB-BIO	ZB-2301	WB:1:10000	http://www.zsbio.com/product/ZB-2301
Goat Anti-Mouse IgG H&L (HRP) Secondary antibody	ZSGB-BIO	ZB-2305	WB:1:10000	http://www.zsbio.com/product/ZB-2305
Goat Anti-Rabbit IgG/Gold 10nm	Solarbio	K1034G-G10	IEM:1:40	https://www.solarbio.com/notRegi on?key=K1034G-G10
Goat Anti-Mouse IgG/Gold 35nm	Solarbio	K1031G-G35	IEM:1:40	https://www.solarbio.com/goodsInfo?id=222212

Other reagent information

Description	Source / Repository	Persistent ID / URL
ApopTag® Plus Fluorescein In situ Apoptosis Detection Kit	Merck	https://www.sigmaaldrich.cn/CN/zh/product/mm/s7111
Tissue Mitochondria Isolation Kit	Beyotime	https://www.beyotime.com/product/C3606.htm
Tissue Endoplasmic Reticulum Isolation Kit	Solarbio	https://www.solarbio.com/goods-153087.html
DMEM	Gibco	https://www.thermofisher.cn/order/catalog/product/11995065?SID=srch-srp-11995065
DPBS	Gibco	https://www.thermofisher.cn/order/catalog/product/14040133?SID=srch-srp-14040133
Trypsin-EDTA (0.25%)	Solarbio	https://www.solarbio.com/goods-445.html
Western Blotting Luminol Reagent	SANTA CRUZ	https://www.scbt.com/zh/p/western-blotting-luminol-reagent?requestFrom=search
Pierce Bradford Protein	Thermo Fisher	https://www.thermofisher.cn/order/catalog/product/

Assay Kit	Scientific	23200?SID=srch-srp-23200
Protease inhibitor cocktail for mammalian cell and tissue extracts, 100X	Beyotime	https://www.beyotime.com/product/P1011.htm
Phosphatase inhibitor cocktail A, 50X	Beyotime	https://www.beyotime.com/product/P1082.htm
PMSF	Thermo Fisher Scientific	https://www.thermofisher.cn/order/catalog/product/ 36978?SID=srch-srp-36978
M-PER® Mammalian Protein Extraction Reagent	Thermo Fisher Scientific	https://www.thermofisher.cn/order/catalog/product/ 78505?SID=srch-srp-78505
Normal Goat Serum	ZSGB-BIO	http://www.zsbio.com/product/ZLI-9056