

Table T1. Antibodies

Application	Antibody	Cat.#	Label	Dilution
Western Blot	LDHB	MAB9205-100; R&D Systems	No	1:20,000
	LDHA	3582S; Cell Signaling Technology	No	1:1,000
	beta-Actin	3700S; Cell Signaling Technology	No	1:20,000
	EpCAM	NB600-1182SS; Novus Biologicals	No	1:1,000
	Vimentin	5741; Cell Signaling Technology	No	1:1,000
Flow cytometer	EpCAM	25-9326-42; eBioscience	PE-Cyanine7	1:100
	EpCAM	50-9326-42; eBioscience	eFluor 660	1:100
	CD90	562385; BD Biosciences	CF549	1:100
	Anti-p-H2A.X ^{Ser139}	05-636-AF488; EMD Millipore	Alexa Fluor® 488	1:100
	GLDC	bs-13370R-A555; Bioss Antibodies	Alexa Fluor® 555	1:100
	SOX2	53-9811-82; Thermo Fisher Scientific	Alexa Fluor® 488	1:100
	SOX2	130-104-994; Miltenyi Biotec	PE	1:100
	LDHB	IC9205S; R&D Systems	Alexa Fluor® 750	1:100
Immunofluorescence	LDHB	IC9205G; R&D Systems	Alexa Fluor® 488	1:100
	LDHB	IC9205R; R&D Systems	Alexa Fluor® 647	1:100
	LDHA	sc-137243; Santa Cruz Biotechnology	Alexa Fluor® 546	1:100
Immunohistochemistry	LDHB	MAB9205-100; R&D Systems	No	1:40,000
	GLDC	HPA002318; Sigma	No	1:200

Table T2. Chemicals

Name	Company	Catalog Number
Glucose	Sigma-Aldrich	G7021
L-glutamine	Thermo Fisher Scientific	25030024
Sodium pyruvate	Thermo Fisher Scientific	11360039
FCCP	Selleck Chemicals	S8276
Oligomycin	Sigma-Aldrich	O4876
Rotenone	Sigma-Aldrich	R8875
Antimycin A	Sigma-Aldrich	A8674
ADP	Sigma-Aldrich	A4386
Ascorbate	Merck	1.00127
BSA	Cell Signaling Technology	9998S
Digitonin	Sigma-Aldrich	D5628
EGTA	Sigma-Aldrich	E3889
Glutamate	Sigma	G1626
Hepes	Sigma	H7523
KCl	Merck	1.04936
KH ₂ PO ₄	Merck	1.04873
K-lactobionate	Sigma	L2398
MgCl ₂	Sigma	M9272
Sodium azide	Sigma	S2002
Succinate	Sigma	S2378
TMPD	Sigma	T3134

Malate	Sigma-Aldrich	M7397-25G
Ammonium carbonate	Sigma-Aldrich	207861-25G
Acetonitrile	Sigma-Aldrich	34998-1L
Acetic acid		
Methanol		

Table T3 Primers

	Primer/probe from Microsynth		
#	Labeled tube	Description	Seq
Ms156	156 B-g taq-s	B-globin (from 13.5kb fragment) small fragment 258bp sense	GGCTGTCTCCTAGCAACGAC
Ms157	157 B-g taq-as	B-globin (from 13.5kb fragment) small fragment 258bp antisense	TGCATACCAGCTCTCACCTG
Ms186	186 Mito 221bp s	Mito 221bp sense (Short range mitoDNA)	CCC CAC AAA CCC CAT TAC TAA ACC CA
Ms187	187 Mito 221bp as	Mito 221bp antisense (Short range mitoDNA)	TTT CAT CAT GCG GAG ATG TTG GAT GG
Ms30	30 5'B-globin s	5'B-globin 13.5kb sense	CGA GTA AGA GAC CAT TGT GGC AG
Ms31	31 5'B-globin as	5'B-globin 13.5kb antisense	GCA CTG GCT TAG GAG TTG GAC T
Ms32	32 mito 16.2kb s	mito 8.9kb sense (Long range mitoDNA)	TCT AAG CCT CCT TAT TCG AGC CGA
Ms33	33 mito 16.2kb as	mito 8.9kb antisense (Long range mitoDNA)	TTT CAT CAT GCG GAG ATG TTG GAT GG
Ms34	34 hpvt6 10.4kb s	hpvt6 10.4k sense	TGG GAT TAC ACG TGT GAA CCA ACC
Ms35	35 hpvt6 10.4k as	hpvt6 10.4k antisense	GCT CTA CCC TCT CCT CTA CCG TCC