

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies		
Anti-USP48	abcam	Cat# ab237765
Anti-GSDME	abcam	Cat# ab215191
Anti-HGMB1	abcam	Cat# ab18256
Anti-caspase3	abcam	Cat# ab32351
Anti-Flag	abcam	Cat# ab205606
Anti-HA	abcam	Cat# ab9110
Anti-Myc	abcam	Cat# ab32
Anti-Ubiquitin	abcam	Cat# ab134953
Anti-Ubiquitin (linkage-specific K48)	abcam	Cat# ab140601
Anti-Ubiquitin (linkage-specific K63)	abcam	Cat# ab179434
Anti-Tublin	Cell Signaling Technology	Cat# 2148
Anti- β -actin	Cell Signaling Technology	Cat# 3700
Anti-VEGFA	abcam	Cat# ab52917
Anti-BRCA-1	abcam	Cat# ab213929
Anti-Cul4B	abcam	Cat# ab227724
Anti-CD8a	Biologend	Cat# 155021
Anti-CD3	Biologend	Cat# 100203
Anti-CD4	Biologend	Cat# 100411
Anti-CD25	Biologend	Cat# 102027
Anti-Foxp3	Biologend	Cat# 320007
Anti-DX5	Biologend	Cat# 108915
Anti-F4/80	Biologend	Cat# 157309
Anti-CD11b	Biologend	Cat# 101225
Anti-NK1.1	Biologend	Cat# 156505
Anti-Havcr2	abcam	Cat# ab233228
Anti-CK19	abcam	Cat# ab52625
Anti-C1qa	abcam	Cat# ab155052
Anti-TREM2	abcam	Cat# ab245227
Chemicals		
Polybrene	Millipore	Cat# TR-1003-G
RIPA buffer	Beyotime Biotechnology	Cat# P0013E
Puromycin	Sigma Aldrich	Cat# P9620
DAPI	Solarbio	Cat# C0065
Cycloheximide (CHX)	MCE	Cat# HY-12320
MG-132	MCE	Cat# HY-13259
protein G magnetic beads	MCE	Cat# HY-K0204
Triton X-100	Sigma Aldrich	Cat# T8787
DMEM	GIBCO	Cat# C11995500BT
Fetal Bovine Serum	GIBCO	Cat# 10100

Lipofectamine 2000	Thermo Fisher Scientific	Cat# 11668027
Trizol	Invitrogen	Cat#
SYBR qPCR Master Mix	TAKARA	Cat#
anti-PD1	Master of Small Molecules	Cat# HY-101058
Raptinal	Sigma Aldrich	Cat# SML1745
SYTOX™ Green Nucleic Acid Stain	Thermo Fisher Scientific	Cat# S7020
Critical Commercial Assays		
CytoTox 96® Non-Radioactive Cytotoxicity Assay kit	Promega	Cat# G1780
IL-18 ELISA kit purchased	Invitrogen	Cat# BMS267-2
IL-1 β ELISA kit purchased	Invitrogen	Cat# A35574
BCA protein assay kit	Thermo Fisher Scientific	Cat# 23225
CRISPR Knockout Pooled Lentiviral sgRNA Libraries	Dharmacon	N/A
siRNA Library	Dharmacon	N/A
Experimental Models: Cell Lines		
Human 293T	ATCC	Cat# CRL-3216
Mouse L929	ATCC	Cat# CCL-1
Mouse Pan02	ATCC	Cat# CRL-2553
Experimental Models: Mouse		
USP48 ^{fl_{ox} / fl_{ox}} mice	Cyagen	N/A
Alb-cre mice	Cyagen	N/A
KRAS ^{G12D} ; PDX1-cre mice	Cyagen	N/A
Mouse: C57BL/6	Shan Dong University	N/A
Biological Samples		
Human HCC Tissue	The Second Hospital of Shandong University	N/A
Human PDAC Tissue	The Second Hospital of Shandong University	N/A
Software		
FlowJo v9.3	FlowJo	www.flowjo.com
Prism v6	GraphPad	www.graphpad.com