

Supplementary Tables

Table S4. Primers and Roche Universal Probe Library (UPL) FAM-labeled probes utilized in real-time PCR assays. All assays were designed using the Roche Universal ProbeLibrary Assay Design Center.

Gene	Forward Primer	Reverse Primer	UPL ID
<i>Ckb</i> (murine)	gcaagcacaggcatccat	cgcagcttctgcgtattatg	70
<i>CKB</i> (human)	cctgcccagaaatgaagc	gcactgcccaggcaataa	38
<i>Ints3</i> (murine)	gtggctgtattgactctgcac	caggttccccatcatcacat	17
<i>Krt18</i> (murine K18)	agatgacaccaacatcacaagg	cttcagaccttgacttctct	78
<i>PPIA</i> (<i>Cyclophilin A</i>)	atgctggaccaacacaaat	tcttctacttgccaaacacc	48

Table S5. Primary antibody source and dilution factors utilized in western blotting, immunofluorescence (IF) staining of cultured cells and DAB-based immunohistochemistry (IHC) staining of tumor tissues.

Antibody	Source and Catalog #	Dilution	Purpose
anti-CKB	AbCAM (#ab88746)	1:5,000	western
anti- β -tubulin	AbCam (#ab6046)	1:10,000	western
anti-HIF-1 α	Novus Biologicals (#NB100-479)	1:5,000	western
anti-PARP	Cell Signaling Technology (#9542)	1:5,000	western
anti-CKB	ThermoFisher (PA5-21382) or Santa Cruz, sc-271531)	1:500	IF, cells
anti-alpha tubulin	ThermoFisher (#62204)	1:250	IF, cells
anti-cortactin	Millipore (#05-0180)	1:700	IF, cells
anti-mouse AlexaFluor-488	LifeTech (#A21202)	1:400	IF, cells
anti-rabbit AlexaFluor-594	LifeTech (#A21203)	1:400	IF, cells
anti-rabbit-IgG-Biotin-X	LifeTech (#A16027)	1:400	IF, cells
Streptavidin-AlexaFluor-594	LifeTech (#S11227)	1:400	IF, cells
anti-Ki67	AbCAM (#ab-15580)	1:750	IHC
anti-CD31	Cell Signaling Technology (#77699)	1:100	IHC
anti-activated caspase3	Cell Signaling Technology (#9661)	1:100	IHC

Table S6. Primers used in chromatin immunoprecipitation (ChIP) assays in murine PyMT tumor cells and in human MCF-7 cells.

Genomic Region	IP Antibody	Forward Primer	Reverse Primer
-258 <i>CKB</i>	HIF-1 α	gatgaaccaagcgtctc	agacctcgaggccgaaac
-935 <i>CKB</i>	HIF-1 α	attgctgggtcacggagtt	tacccccaacactcccagat
-1869 <i>CKB</i> non-HRE	HIF-1 α	ttcaggttttgtgggtagc	ctgttccaagccagcatttt
-1326 <i>Ckb</i>	HIF-1 α	cagggctgttctggactctc	cctcacaagtgtgggatta
-1835 <i>Ckb</i>	HIF-1 α	tgctcctgtgcacttttt	agcctagcttcagagaactaa tgg
-510 <i>Ckb</i> non- HRE	HIF-1 α	cttggcggtgttccttagag	caggccatatcctcaagagc
<i>EPO</i>	HIF-1 α	gctggcctctggctctcatgg	cagggttggcagctgccttact g
<i>Vegf</i>	HIF-1 α	ctggcttcagttccctggcaacat ctct	cctggggtgaatgggatcctct gg

Table S7. *Ckb* shRNA targeting sequences obtained from The RNAi Consortium (TRC) library purchased through Open Biosystems.

Clone ID	Clone Name	Target Sequence
TRCN0000024659	NM_021273.2- 300s1c1	cgacgtattcaaggacctctt
TRCN0000024660	NM_021273.2- 288s1c1	cgaggagagttacgacgtatt
TRCN0000024661	NM_021273.2- 708s1c1	gcacaatgacaataagacttt