

Supplementary Table 1: List of Antibodies Used

Antibody	Company	Dilution
4E-BP1 (S65)	CellSig	1:50
4E-BP1 (T70)	CellSig	1:100
Acetyl-CoA Carboxylase (S79)	CellSig	1:50
Ack1 (Y284)	CellSig	1:50
Ack1 (Y857/858)	CellSig	1:100
Akt (S473)	CellSig	1:100
Akt (T308)	CellSig	1:100
ALK (Y1586)	CellSig	1:500
AMPKalpha1 (S485)	CellSig	1:50
AMPKBeta1 (S108)	CellSig	1:50
A-Raf (S299)	CellSig	1:100
Aurora A (T288)/B (T232)/C (T198)	CellSig	1:50
Bad (S112)	CellSig	1:200
Bad (S136)	CellSig	1:100
Bad (S155)	CellSig	1:100
Bcl-2 (S70)	CellSig	1:100
Bcl-2 (T56)	CellSig	1:200
Beclin 1, total	CellSig	1:100
B-Raf (S445)	CellSig	1:50
c-Abl (T735)	CellSig	1:50
c-Abl (Y245)	CellSig	1:100
Caspase 3, cleaved (D175)	CellSig	1:50
Caspase 7, cleaved (D198)	CellSig	1:100
Caspase 9, cleaved (D315)	CellSig	1:100
Caspase 9, cleaved (D330)	CellSig	1:50
Chk1 (S345)	CellSig	1:50
Chk2 (S33/35)	CellSig	1:50
cKIT (Y719)	CellSig	1:50
Cofilin (S3)	CellSig	1:1000
cPLA2 (S505)	CellSig	1:1000
CREB (S133)	CellSig	1:1000
CrklI (Y221)	CellSig	1:100
Cyclin B1, total	CellSig	1:200
Cyclin D1, total	BD	1:100
Cyclin E, total	BD	1:100
EGFR, total	CellSig	1:100
EGFR (S1046/1047)	CellSig	1:500
EGFR (Y1045)	CellSig	1:50

EGFR (Y1068)	CellSig	1:50
EGFR (Y1148)	Biosource	1:100
EGFR (Y1173)	Biosource	1:100
EGFR (Y845)	CellSig	1:1000
EGFR (Y992)	CellSig	1:50
eIF4E (S209)	CellSig	1:100
eIF4G (S1108)	CellSig	1:1000
Elk-1 (S383)	CellSig	1:200
eNOS (S113)	CellSig	1:50
ErbB2/HER2, total	DAKO	1:1000
ErbB2/HER2 (Y1248)	Upstate	1:500
ErbB3/HER3, total	CellSig	1:500
ErbB3 (Y1197)	CST	1:100
ErbB3/HER3 (Y1289)	CellSig	1:200
ErbB4/HER4, total	CellSig	1:50
ERK 1/2 (T202/Y204)	CellSig	1:1000
Estrogen Receptor alpha, total	Dako	1:50
Estrogen Receptor alpha (S118)	CellSig	1:1000
FADD (S194)	CellSig	1:50
FAK (Y397)	BD	1:500
FAK (Y576/577)	CellSig	1:200
FOXO3 (S253)	CellSig	1:50
FOXO1 (S256)	CellSig	1:100
FOXO1/O3 (T24/T32)	CellSig	1:200
GSK-3 alpha/beta (S21/9)	CellSig	1:200
Histone H3 (S10)	Upstate	1:500
IGF-1 Rec (Y1131)/Insulin Rec (Y1146)	CellSig	1:500
IGF-1R (Y1135/36)/IR (Y1150/51)	CellSig	1:1000
IkappaB-alpha (S32/36)	CellSig	1:50
IRS-1 (S612)	CellSig	1:200
Jak1 (Y1022/1023)	CellSig	1:50
Jak2 (Y1007/1008)	CellSig	1:100
LIMK1 (T508)/LIMK2 (T505)	CellSig	1:100
LKB1 (S334)	CellSig	1:50
MARCKS (S152/156)	CellSig	1:50
MEK1/2 (S217/221)	CellSig	1:500
MSK1 (S360)	CellSig	1:50
Mst1 (T183)/Mst2 (T180)	CellSig	1:50
mTOR (S2448)	CellSig	1:100
mTOR (S2481)	CellSig	1:100
Nanog, total	CellSig	1:1000

NF-kappaB p65 (S536)	CellSig	1:50
Notch1, total	Millipore	1:10000
p27 (T187)	Zymed	1:200
p38 MAP Kinase (T180/Y182)	CellSig	1:50
p53, total	CellSig	1:5000
p70 S6 Kinase (S371)	CellSig	1:50
p70 S6 Kinase (T389)	CellSig	1:50
p90RSK (S380)	CellSig	1:200
PAK1 (S199/204)/PAK2 (S192/197)	CellSig	1:50
PAK1 (T423)/PAK2 (T402)	CellSig	1:100
PARP, cleaved (D214)	CellSig	1:100
Paxillin (Y118)	CellSig	1:500
PDGF Receptor beta (Y751)	CellSig	1:50
PDK1 (S241)	CellSig	1:200
PKA C (T197)	CellSig	1:200
PKC alpha (S657)	Upstate	1:1000
PKC alpha/beta II (T638/641)	CellSig	1:50
PKC theta (T538)	CellSig	1:100
PKC zeta/lambda (T410/403)	CellSig	1:50
PKCdelta (T505)	CellSig	1:100
PLCgamma1 (Y783)	CellSig	1:100
PLK1 (T210)	BD	1:200
PRAS40 (T246)	Biosource	1:1000
PTEN, total	CellSig	1:50
PTEN (S380)	CellSig	1:500
Pyk2 (Y402)	CellSig	1:200
Raf (S259)	CellSig	1:100
Ras-GRF1 (S916)	CellSig	1:50
Ret (Y905)	CellSig	1:100
RSK3 (T356/S360)	CellSig	1:500
S6 Ribosomal Protein (S240/244)	CellSig	1:1000
Shc (Y317)	Upstate	1:200
Smad1 (S463/S465)/Smad5 (S463/S465)/Smad8 (S426/S428)	CellSig	1:50
Smad2 (S245/250/255)	CellSig	1:100
Smad2 (S465/467)	CellSig	1:250
Src (Y527)	CellSig	1:250
Src Family (Y416)	CellSig	1:250
ST6GALNAC5, total	Aviva System	1:50
Stat1 (Y701)	CellSig	1:1000
Stat3 (S727)	CellSig	1:100
Stat3 (Y705)	Upstate	1:200

Stat5 (Y694)	CellSig	1:100
Tuberin/TSC2 (Y1571)	CellSig	1:50
VEGFR 2 (Y1175)	CellSig	1:50
VEGFR 2 (Y951)	CellSig	1:200
VEGFR 2 (Y996)	CellSig	1:50
