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Table S1. List of antibodies, commercial assays, mammalian cell lines, yeast strains, oligonucleotides and recombinant DNA plasmids. Primer sequences with restriction sites in red, epitope sequences highlighted in green and mutation sites in blue.

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies		
Anti-rabbit Aha1 (1:4000)	StressMarq Biosciences	Cat# SPC-183 RRID:AB_1944037
Anti-rabbit Hsp70 (1:20,000)	StressMarq Biosciences	Cat# SPC-103 RRID:AB_2570584
Anti-rabbit Cdc37 (1:4000)	StressMarq Biosciences	Cat# SPC-142 RRID:AB_2570605
Anti-rabbit FLAG tag (1:8000)	Thermo Scientific	Cat# PA1-984B RRID:AB_347227
Anti-mouse 6x-His (HIS.H8) (1:10,000)	Thermo Scientific	Cat# MA1-21315 RRID:AB_557403
Anti-mouse CFTR (M3A7) (1:1000)	EMD Millipore	Cat# 05-583 RRID:AB_309819
Anti-rat Hsp90 (16F1) (1:8000)	Enzo Life Sciences	Cat# ADI-SPA-835 RRID:AB_11181205
Anti-rabbit p23 (1:2000)	Enzo Life Sciences	Cat# ADI-SPA-670 RRID:AB_10617386
Anti-mouse GAPDH (1D4) (1:10,000)	Enzo Life Sciences	Cat# ADI-CSA-335 RRID:AB_10617247

Anti-rabbit FLCN (D14G9) (1:4000)	Cell Signaling Technology	Cat# 3697 RRID:AB_2231646
Anti-rabbit HOP (D10E2) (1:2000)	Cell Signaling Technology	Cat# 5670 RRID:AB_10828369
Anti-rabbit PP5 (1:1000)	Cell Signaling Technology	Cat# 2289 RRID:AB_2168757
Anti-rabbit Phospho-Akt S473 (D9E) (1:2000)	Cell Signaling Technology	Cat# 2289 RRID:AB_2315049
Anti-mouse Akt (2H10) (1:4000)	Cell Signaling Technology	Cat# 2967 RRID:AB_331160
Anti-rabbit GR (D6H2L) (1:2000)	Cell Signaling Technology	Cat# 12041 RRID:AB_2631286
Anti-rabbit Phospho-GR S211 (1:2000)	Cell Signaling Technology	Cat# 4161 RRID:AB_2155797
Anti-rabbit HA-Tag (C29F4) (1:2000)	Cell Signaling Technology	Cat# 3724 RRID:AB_1549585
Anti-rabbit ULK1 (D8H5) (1:1000)	Cell Signaling Technology	Cat# 8054 RRID:AB_11178668
Anti-rabbit ER α (D6R2W) (1:2000)	Cell Signaling Technology	Cat# 13258 RRID: AB_2632959
Anti-rabbit TSC1 (1:1000)	Cell Signaling Technology	Cat# 4906 RRID:AB_2209790

Anti-rabbit TSC2 (D57A9) (1:1000)	Cell Signaling Technology	Cat# 3990 RRID:AB_2209986
Anti-rabbit Src (32G6) (1:2000)	Cell Signaling Technology	Cat# 2123 RRID:AB_2106047
Anti-rabbit Phospho-Src Y416 (1:2000)	Cell Signaling Technology	Cat# 2101 RRID:AB_331697
Anti-rabbit c-Abl (1:1000)	Cell Signaling Technology	Cat# 2862 RRID:AB_2257757
Anti-rabbit c-Abl Y89 (61A6) (1:1000)	Cell Signaling Technology	Cat# 3098 RRID:AB_2220865
Anti-mouse Ubiquitin (P4D1) (1:1000)	Santa Cruz Biotech	Cat# sc-8017 RRID:AB_628423
Anti-rabbit Raf-1 (C-12) (1:4000)	Santa Cruz Biotech	Cat# sc-133 RRID:AB_632305
Anti-rabbit Cdk4 (H-22) (1:4000)	Santa Cruz Biotech	Cat# sc-601 RRID:AB_631221
Anti-rabbit ErbB2/Neu (C- 18) (1:1000)	Santa Cruz Biotech	Cat# sc-284 RRID:AB_632013
Anti-rabbit Sba1 (1:8000)	The Institute of Cancer Research, London	
Anti-mouse secondary (1:4000)	Santa Cruz Biotech	Cat# sc-2005 RRID:AB_631736

Anti-rabbit secondary (1:4000)	Santa Cruz Biotech	Cat# sc-2004 RRID:AB_631746
Anti-rat secondary (1:4000)	Santa Cruz Biotech	Cat# sc-2006 RRID:AB_1125219
Compounds		
Ganetespib	Madrigal Pharma (formerly Synta Pharmaceuticals)	STA-9090 CAS# 888216-25-9 (Ying, Du et al., 2012)
Ganetespib, Biotinylated	Madrigal Pharma (formerly Synta Pharmaceuticals)	STA-12-7191
SNX-2112	Duke University Dr. Timothy Haystead	CAS# 908112-43-6 (Barrott & Haystead, 2013)
Bortezomib	LC Labs	Cat# B-1408; CAS# 179324-69-7
JG-98	University of California at San Francisco Dr. Jason Gestwicki	(Li, Srinivasan et al., 2013)
DPH	Sigma-Aldrich	Cat# SML0202-5MG CAS# 484049-04-9
GNF-5	Sigma-Aldrich	Cat# SML0511-5MG CAS# 778277-15-9
Critical Commercial Assays		
Mirus TransIT-2020	MirusBio	Cat# MIR5405
PiPer Phosphate Assay	ThermoFisher Scientific	Cat# P22061

Anti-FLAG M2 affinity gel	Sigma-Aldrich	Cat# A2220 RRID:AB10063035
Protein G agarose	ThermoFisher Scientific	Cat# 15-920-010
ATP agarose	Novus Biologicals	Cat# 510-0002
Strep agarose	ThermoFisher Scientific	Cat# 20349
Ni-NTA Agarose	ThermoFisher Scientific	Cat# 88221
Experimental Models: Cell Lines		
HEK293	ATCC Cat# CRL-1573	RRID:CVCL_0045
<i>TSC1</i> (+/+) MEF	Brigham and Women's Hospital Dr. David Kwiatkowski	(Kwiatkowski, Zhang et al., 2002)
<i>TSC1</i> (-/-) MEF	Brigham and Women's Hospital Dr. David Kwiatkowski	(Kwiatkowski et al., 2002)
<i>c-Abl</i> (+/+) MEF	Columbia University Dr. Stephen Goff	(Suzuki, Sukezane et al., 2004)
<i>c-Abl</i> (-/-) MEF	Columbia University Dr. Stephen Goff	(Suzuki et al., 2004)
Experimental Models: Organisms/Strains		
PP30-Hsp90α	University of Sheffield Dr. Peter Piper	(Piper, Millson et al., 2003)
PP30-Hsp82	University of Sheffield Dr. Peter Piper	(Panaretou, Prodromou et al., 1998)
Oligonucleotides		

Tsc1 siRNA	GE Dharmacon Cat# L-003028-00-0005	1-CGACACGGCUGAU AACUGA 2-CGGCUGAUGUUGUUAAAUA 3-GUUACUGGGUCAUGUCAUA 4-CAAAGCCGCCACUCGUUUA
Non-targeting siRNA	GE Dharmacon Cat# D-001810-10-20	1-UGGUUUACAUGUCGACUAA 2-UGGUUUACAUGUUGUGUGA 3-UGGUUUACAUGUUUUCUGA 4-UGGUUUACAUGUUUUCUA
Primer Name	Primer Sequence	
Tsc1-A-KpnI-FLAG-F	TATGCGGGTACCATGGATTACAAGGATGACGACGATAAGGGAGCCCAACAAGCAAATGTCTGGGGAGCTTC	
Tsc1-A-ApaI-R	TATGCGGGGCCCTTAATTCTGTGTGTCAGCATAAGGGC	
Tsc1-B-KpnI-FLAG-F	TATGCGGGTACCATGGATTACAAGGATGACGACGATAAGGGAAGCTATGGGTGTGCTACTTC	
Tsc1-B-ApaI-R	TATGCGGGGCCCTTATGGTCTTGCAGAATCCATTC	
Tsc1-C-KpnI-FLAG-F	TATGCGGGTACCATGGATTACAAGGATGACGACGATAAGGGATGTCTACACAGACAACACC	
Tsc1-C-ApaI-R	TATGCGGGGCCCTTAGTCATTACAACAGTCAAGCCT	
Tsc1-D-KpnI-FLAG-F	TATGCGGGTACCATGGATTACAAGGATGACGACGATAAGGGAGACGGGTGCTCAGATTC	
Tsc1-D-ApaI-R	TATGCGGGGCCCTTAGCTGTGTTTCATGATGAGTC	
Tsc1-D-HA-KpnI-F	TATGCGGGTACCATGTACCCATACGATGTTCCAGATTACGCTGGGGACGGGTGCTCAGATTCC	
Tsc1-D-NotI-R	TATGCGGGGCCCGCTTAGCTGTGTTTCATGATGAGTC	

Hsp90a-TPR-BamHI-F	TATGCGGGATCCATGGATTACAAGGATGACGACGATA AGGGACCTGAGGAAACCCAGAC	
Hsp90a-TPR-XhoI-R	TATGCGCTCGAGTTAGCGTGATGTGTCGTCATC	
Hsp90B-TPR-NotI-F	TATGCGGCGGCCGCATGGATTACAAGGATGACGACGA TAAGGGACCTGAGGAAGTGAC	
Hsp90B-TPR-XbaI-R	TATGCGTCTAGATTAGCGAGACGCATCCTCATC	
Hsp90-V410E-F	AGCAAATTTTGAAGAAATCAGGAAGAATTTG	
Hsp90-V410E-R	CAAATTCTTCTGATTTCTTTCAAATTTTGCT	
Aha1-F-Spe1	TATGCACTAGTATGGCCAAGTGGGGTGAGGGA	
Aha1-R-Xho1	TCGGTCTCGAGTTACTTGTTCATCGTCGTCCTTGATGTC AAATAAGCGTGCGCCATAGCCAAAGGTCTGT	
Tsc1-L117P-F	TTGCCTTCTTTACCAAATGTCTCAAG	
Tsc1-L117P-R	CTTGAGACATTTTGGTAAAGAAGGCAA	
Recombinant DNA		
pcDNA3-FLAG-TSC2	Addgene Cat# 14129	(Tee, Fingar et al., 2002)
pcDNA3-HA3-TSC1	Addgene Cat# 19911	(Tee et al., 2002)
pcDNA3-cFLAG	Addgene Cat# 20011	(Sanjabi, Williams et al., 2005)
pcDNA3.1-CFTR	University of Pittsburgh Dr. Brodsky	(Ahner, Whyte et al., 2005)
p424-ADH	ATCC	Cat# 87373
pYES2	ThermoFisher Scientific	Cat# V82520

Appendix References

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