

A

Plasmid	Source	Protocol Specifics
Triple Reporter ERK kinase translocation mTurquoise (ERK-KTR), H2B-Venus and Geminin-mCherry	Gift from Dr. Luca Gerosa and Dr. Peter Sorger at Harvard Medical School (30-31)	Co-transfection of TBP3743 with piggybac transposase vector at 1:1 ratio with lipofectamine, selecting with 5 µg/ml puromycin (Gibco) and sorted by FACS
pHAGE-BRAF ^{FV600E}	Addgene plasmid no. 116204, a gift from Gordon Mills & Kenneth Scott	5000 Nthy-ori-3-1 or TPC1 cells were seeded into each well of 96-well image plates (Ibidi). After overnight incubation, fresh media containing 0.25 ng/µl of each plasmid DNA was added for 72 h
pHAGE-BRAF ^{WT}	Addgene plasmid no. 116719, a gift from Gordon Mills & Kenneth Scott	
pHAGE_puro	Addgene plasmid no. 118692, a gift from Christopher Vakoc	
pBabe-KRAS ^{G12D}	Addgene #58902, a gift from Christopher Vakoc	
pBabe-KRAS ^{WT}	Addgene #75282, a gift from Christopher Vakoc	
IGF1R siRNA SMARTPool	Dharmacon	7000 8505c cells or 6000 Nthy-ori-3-1 cells were seeded into each well of 96-well image plates (Ibidi) or 0.5 million 8505c cells were seeded into 10 cm tissue culture plates overnight for IGF1R siRNA transfection. Media was replaced with growth media containing 25 nM siRNA in transfection reagent (Dharmacon) and incubated for another 72 h prior to treatment with albumin or dextran
PTEN siRNA SMARTPool	Dharmacon	
non-targeting siRNA control pool	Dharmacon	

B

Cell Line	Source	RRID
8505c	Purchased from DSMZ	CVCL_1054
THJ-21t	abmgood	CVCL_W921
TPC1	Dr. F. Frasca (University of Catania, Italy)	CVCL_6298
BCPAP	Dr. G. Damante (University of Udine, Italy)	CVCL_0153
Nthy-ori-3-1	Dr. Raj Gopal (MGH)	CVCL_2659
FTC133	European Collection of Authenticated Cell Culture	CVCL_1219
FTC236		CVCL_2446

C

Antibody	Source	Category #	RRID
p-AMPK	CST	#2535	AB_331250
p-IGF1R	CST	#3918	AB_10548764
p-ERK1/2	CST	#4370	AB_2315112
IGF1R	CST	#9750	AB_10950969
AMPK	CST	#2603	AB_490795
ERK	CST	#4695	AB_390779
PTEN	CST	#9559	AB_390810
β-actin	CST	#3700	AB_2242334
anti-rabbit IgG antibody AF647	Invitrogen	#A-21245	NA
rat anti-mouse CD16/CD32 antibody	BD Biosciences	#553141	AB_394656
CD45	BioLegend	#103151	AB_2565884
CD11b	BioLegend	#101210	AB_312793
F4/80	BioLegend	#123118	AB_893477
CD206	BioLegend	#141727	AB_2565822
CD80	BioLegend	#104729	AB_11126141
CD86	BioLegend	#105115	AB_493601

Supplementary Table S1. Biological and chemical reagents and their sources. This table reports detailed information of plasmids, siRNA and transfection protocols (A), human cell lines (B), and antibodies (C).