

Supplementary Material – Salloum et al.

Supplementary Figure 1 Ras-driven cancer cells are uniquely dependent on exogenous fatty acids. MDA-MB-231, Calu-1, HCT116, HT29, T24, Panc1, BxPC3, MCF7 and BJ cells were plated and shifted to media conditions as indicated and cell number was determined 5 days later as in Fig. 2. Each measurement was normalized against relative cell number in 10% FBS, which was given a value of 100%. Error bars represent S.D. for at least two independent experiments.

Table S1 Composition of fatty acid mixture

Component		Concentration (mg/L)
Arachidonic acid	20:4	2
Cholesterol		220
DL- α -Tocophenol Acetate		70
Linoleic Acid	18:2	10
Linolenic Acid	18:3	10
Myristic Acid	14:0	10
Oleic Acid	18:1	10
Palmitic Acid	16:0	10
Puronic F-68		90000
Stearic Acid	18:0	10
Tween 80 ®		2200

Composition of fatty acid mixture used in this study. Concentration is shown along with chain length and number of double bonds. The fatty acid mix was obtained from Invitrogen (11905).

Table S2 Cell Cycle Distribution of Cells Treated with Rapamycin and EIPA

MDA-MB-231	sub-G1	G1	S	G2/M
ctrl	5.53±1.23	64.11±0.65	16.62±0.3	13.73±1.64
EIPA [10µM]	9.84±1.01	62.47±1.02	15.71±0.65	11.96±1.38
Rapa [20µM]	10.21±1.05	61.25±1.09	15.62±0.97	12.91±1.17
EIPA [10µM]/Rapa [20µM]	59.92±12.69	32.19±11.54	4.83±0.59	3.05±0.56
BJ	sub-G1	G1	S	G2/M
ctrl	1.25±0.6	68.57±1.59	16.96±0.21	13.23±2.4
EIPA [10µM]	1.35±0.46	75.17±1.17	9.86±1.26	13.62±0.54
Rapa [20µM]	1.29±0.33	84.78±0.38	6.49±0.66	7.43±0.61
EIPA [10µM]/Rapa [20µM]	1.91±0.44	80.21±2.91	11.31±3.71	6.57±1.23

Percentage of MDA-MB-231 and BJ cells with DNA content for the various cell cycle phases was determined by flow cytometry as described in Fig. 5C.