

Supplementary Table 2

Table S2. Ingenuity Pathway Analysis (IPA) – Top enriched and activated pathways after 7 days hypoxia treatment of patient T18-derived TICs. Significant p-values are indicated, a pathway is predicted to be active at a z-score > 2. Data are based on microarrays (E-MTAB-7354).

Pathways	P-value	Predicted activation	Activation z-score
Autophagy	5.61E-05	Increased	2.567
Cell migration	3.76E-03	Increased	4.592
Cell invasion	1.96E-05	Increased	3.249
Cell viability	1.83E-07	Increased	1.920

Supplementary Table 3

Table S3. Top candidate phospho-proteins identified with fold change (FC) < 0.50 or FC>2.0 in T18 TICs

Phospho-proteins of interest	Fold changes	
	Hypoxia/Normoxia	shATG5 Hypoxia/Hypoxia
PIK3R1/3 (Phospho-Tyr467/Tyr199)	2.87	0.58
EZR (Phospho-Thr567)	2.32	0.39
BLNK (Phospho-Tyr84)	2.26	0.45
ATF2 (Phospho-Thr69/51)	2.12	0.43
BCL2 (Phospho-Ser87)	2.08	0.47
CDKN1B (Phospho-Ser10)	2.03	0.63
KCNA3/Kv1.3 (Phospho-Tyr135)	1.95	0.53
IKBKB (Phospho-Tyr188)	2.03	0.63
MDM4 (Phospho-Ser367)	0.56	2.21
RET (Phospho-Tyr905)	0.53	1.94
AKT1 (Phospho-Thr450)	0.51	2.62