



Supplemental Figure 3

ADT-related changes in ASS and ASL protein expression are similar in 2-D and 3-D culture. All GBM cell lines used in the study form spheroids but only 2/4 show spheroid volume growth under standard culture conditions as depicted in the Materials & Methods section.

(A) Representative images of GBM cell line spheroids 4 days after cell seeding in liquid overlay (left) and 3-D volume growth kinetics of the formed spheroids. Data from one representative experiment with $n \geq 12$ individual spheroids are shown; $N \geq 2$ independent experiments were performed for each GBM spheroid type.

(B/C) Representative Western blots of ASS and ASL protein levels in whole cell protein extracts from monolayer and spheroid cultures (B) and from spheroids exposed to either arginine-rich or arginine-deprived conditions for 48 h (C). The column graphs document the respective densitometric analyses of protein bands from $N=3$ independent experiments.