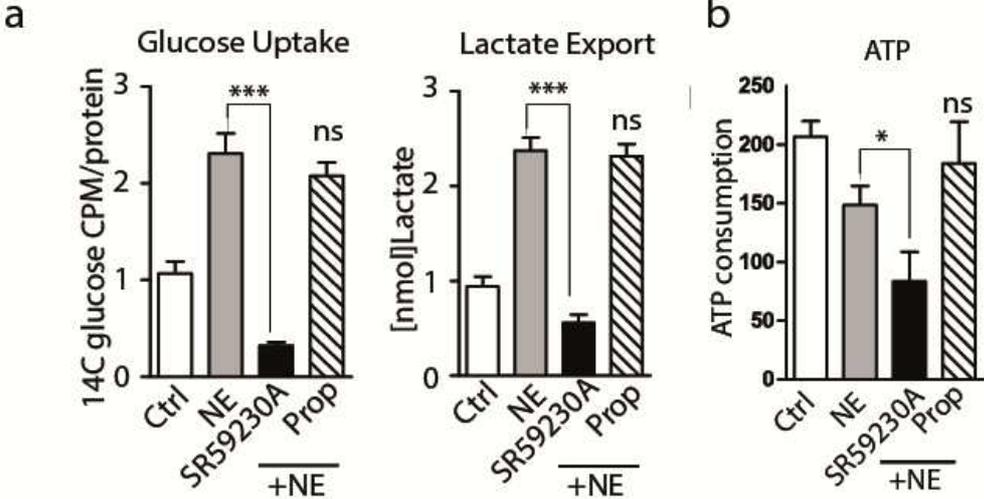


Supplementary Fig.1

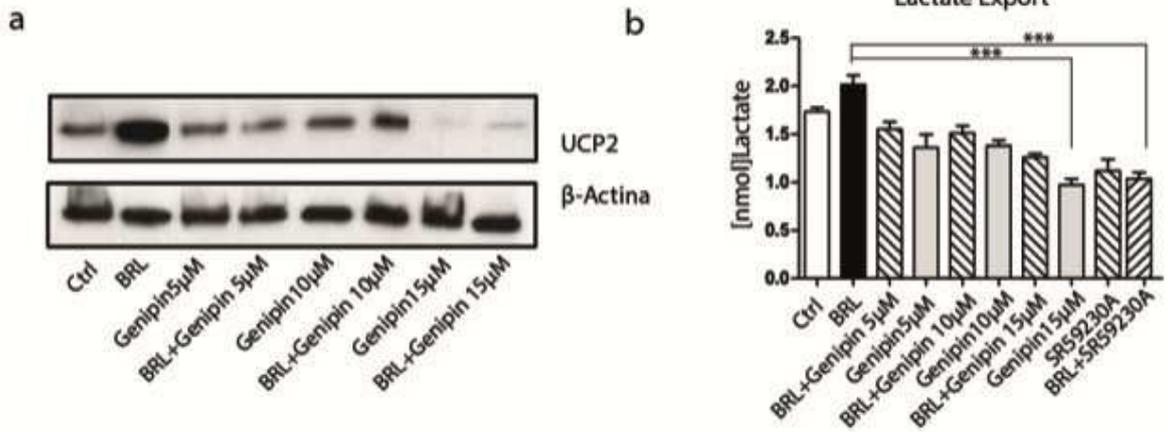
A375 melanospheres



Supplementary Figure 1

Glucose uptake and Lactate export Assays (a) and ATP production Assay (b) in A375 Melanospheres treated with Norepinephrine (10 μ M), Norepinephrine (10 μ M) + Propranolol (10 μ M), Norepinephrine (10 μ M) + SR59230A (10 μ M). *P<0.05, ***P<0.001.

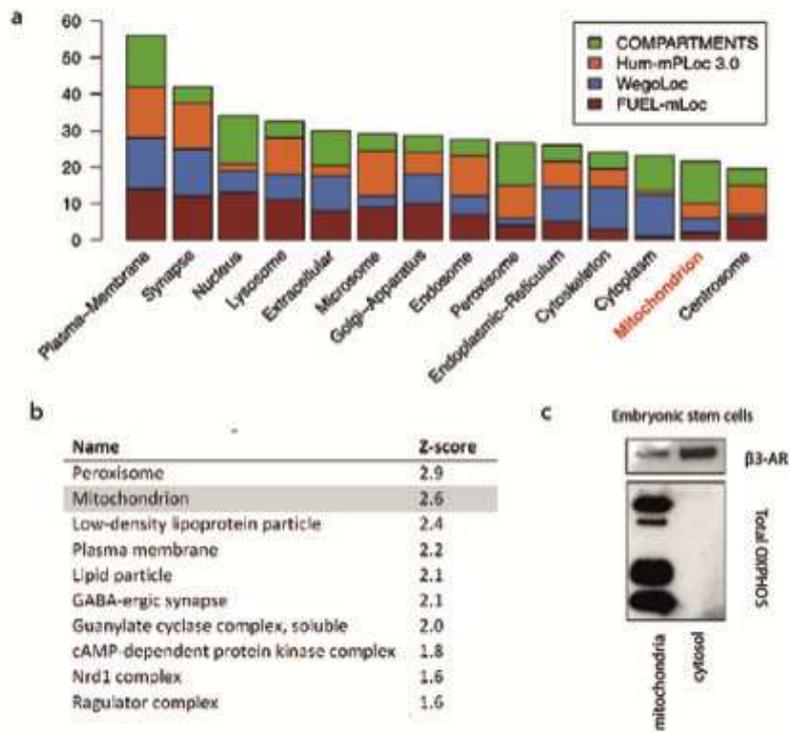
Supplementary Fig.2



Supplementary Figure 2

WB analysis of UCP2 (a) and Lactate export Assay at different concentration of Genipin (b) in A375 Melanospheres treated with BRL37344 (10µM), BRL37344 (10µM) + different concentration of Genipin (5,10,15µM) and SR59230A at 10µM. ***P<0.001.

Supplementary Fig.3



Supplementary Figure 3

Bioinformatic analysis of the β 3-AR presence prediction in different cell compartments by database (a) and Z-score by Text-Mining (b). WB analysis of β 3AR expression in the mitochondria of ESC (c). Data represent at least three experiments (mean and SD).