Landes Bioscience www.landesbioscience.com

Supplemental Material to:

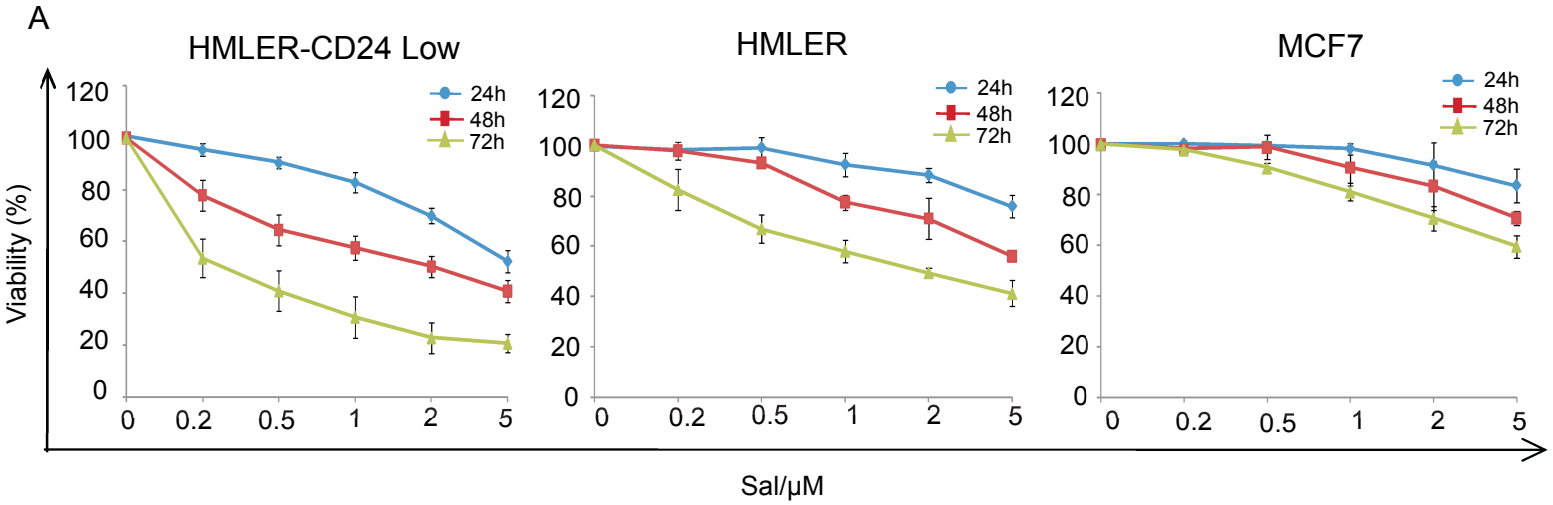
Wen Yue, Ahmed Hamaï, Giovanni Tonelli,
Chantal Bauvy, Valérie Nicolas, Hugo Tharinger,
Patrice Codogno and Maryam Mehrpour

Inhibition of the autophagic flux by salinomycin in breast cancer stem-like/progenitor cells interferes with their maintenance

Autophagy 2013; 9(5)
http://dx.doi.org/10.4161/auto.23997

www.landesbioscience.com/journals/autophagy/article/23997

Figure S1


A
HMLER-CD24 Low
HMLER
MCF7
24h
48h
72h
Viability (%)
120
100
80
60
40
20
0
0
0.2
0.5
1
2
5
Sal/μM

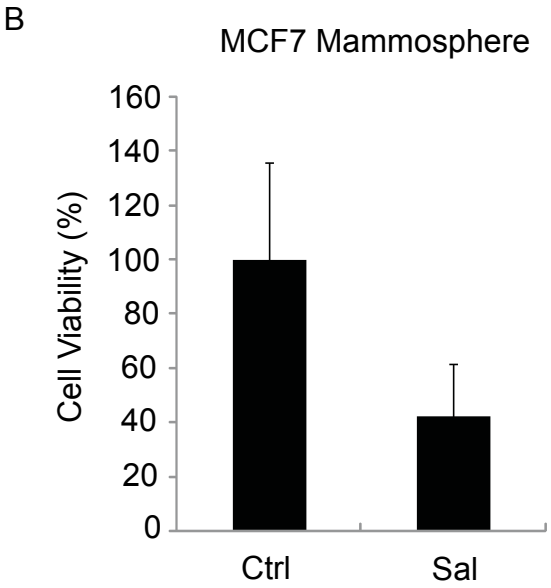
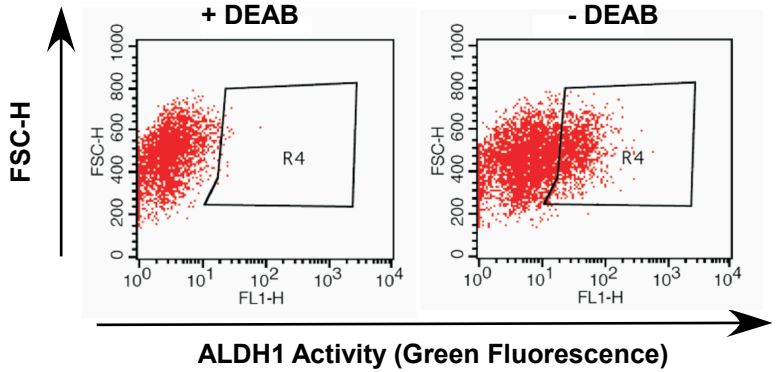
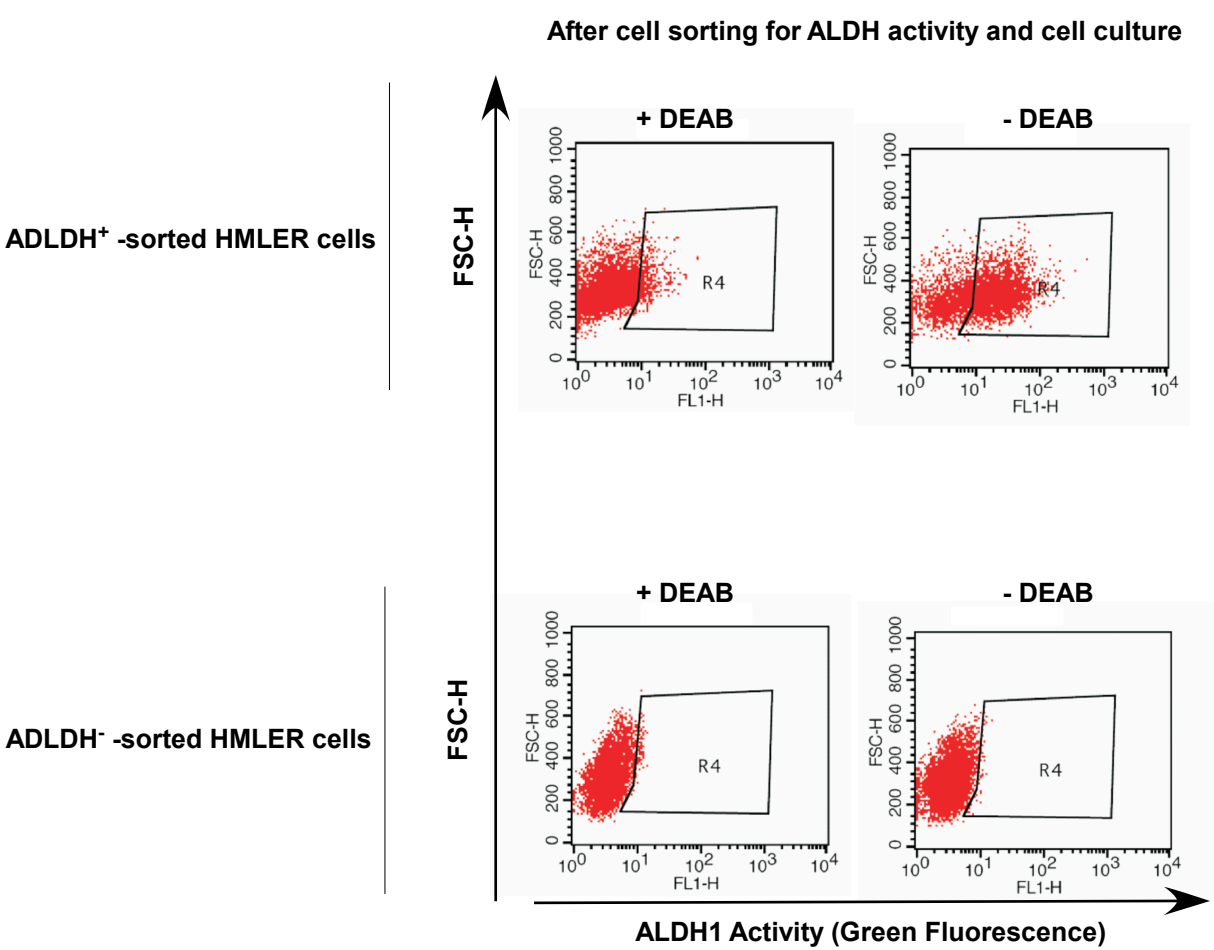

B
MCF7 Mammosphere
Cell Viability (%)
160
140
120
100
80
60
40
20
0
Ctrl
Sal

Figure S2

A


Cell sorting for ALDH activity of parental HMLER cell line
+ DEAB
- DEAB
FSC-H
R4
FL1-H
ALDH1 Activity (Green Fluorescence)

B


After cell sorting for ALDH activity and cell culture
ADLDH+ -sorted HMLER cells
ADLDH- -sorted HMLER cells
+ DEAB
- DEAB
FSC-H
R4
FL1-H
ALDH1 Activity (Green Fluorescence)

Supplemental data

Figure S1. (**A**) HMLER, HMLER-CD24$^{Low/-}$ and MCF7 cell lines treated with the indicated concentrations of Sal for the times described, and cell viability was measured by MTS. (**B**) The single-cell suspension from primary mammospheres of MCF7 cells were seeded at a single cell/well in a 96-well plate, and mammospheres formed after 7 days. Mammospheres were treated with 2 μM of Sal for 4 days before measuring the cell viability.

Figure S2. Analysis of ALDLH1 activity in the parental HMLER cells (**A**) and ALDH$^-$ and ALDH$^+$ HMLER cells (**B**) isolated from HMLER cells by fluorescence-activated cell sorting. ALDH1-activity in HMLER cells was measured by flow cytometry using the ALDEFLUOR reagent in the presence or absence of the ALDH1 inhibitor, DEAB. Cells expressing or not expressing ALDH1 were sorted using the ALDH$^+$ gate based on cells treated with the ALDH1-inhibitor DEAB. Cells were collected and cultured before being analyzed, as indicated in the legend of Figure 6.