Supplemental material

Methods

Both LX2 and U2OS_HA-hNTCP[1] cells were grown until confluence in 24-well plates and LX2 cells were activated by a 48h 10 ng/ml TGFβ pre-treatment before start of the experiment. Cells were incubated for 5 min with 1µM MyrB before incubation with 100µM TCA with trace amounts of $^{[3H]}$TCA for 15min and lysed/counted. For the Tauro-nor-THCA-24-DBD uptake, cells were incubated for 30min at 37^{o}C with 10µM N-(24-[7-(4-N,N-dimethylaminosulfonyl-2,1,3-benzoxadiazole)]-amino-3α,7α,12αtrihydroxy-27-nor-5β-cholestan-26-oyl)-2'-aminoethanesulfonate (Tauro-nor-THCA-24-DBD, Genomembrane Company, Ltd., Yokohama Japan) in the presence or absence of 400nM Myrcludex B. Cells were washed in PBS and lysed in 50 mM Tris-HCl, pH 7.4, 150 mM NaCl, 1% (v/v) Nonidet-40, 0,1% (w/v) sodium dodecyl sulfate (RIPA) before fluorescence was quantified by the Clariostar (BMG Labtech). Finally, for the Myrcludex-FITC staining, cells were imaged after incubation for 1h with 400nM MyrB-FITC at 37 ^{o}C.

References

1. Bijsmans IT, Bouwmeester RA, Geyer J, et al. Homo- and hetero-dimeric architecture of the human liver Na^{+}-dependent taurocholate co-transporting protein. *Biochem J* 2012;441(3):1007-15. doi: 10.1042/bj20111234 [published Online First: 2011/10/28]