**Fig. S1 Effect of culture conditions on cell morphology and protein expression**

A) Comparison of the morphology of K562, NB4, MV4-11, and HCT116 cells cultured with media containing either 10% FCS, 5% FCS, or 5% hPL by light microscopy.

B) Colony assay of HCT116 cells cultivated in media containing either 10% FCS or 5% hPL for 10 days. We deliberately used cell stocks that had been frozen in liquid nitrogen for about one year. 1000 cells were seeded out in 6 cm dishes. The assay was performed four times in triplicate. Shown are typical examples. No significant differences were observed between the culture conditions.

C) Protein expression levels of E-Cadherin, β-Catenin, and RAC1 in untreated HCT116 cells were determined by immunoblot; HSP90, loading control.
**Fig. S2** Global scale proteomics reveal no significant changes in K562 cultured with FCS or hPL.
Volcano plot. Two dimensional scatter-plot showing no differentially expressed proteins in K562 cells cultured in medium either containing FCS or hPL; n=3±SD; 1% FDR.

**Fig. S3** Reactions of NB4 and MV4-11 cells to Entinostat or siRNA against HDAC6
A) MV4-11 cells were treated with 5 µM Entinostat for 24 h. Representative flow cytometry profiles of MV4-11 cells are shown. B) Induced SubG1 populations of PI-stained, fixed cells treated as described above; n=3±SD. C-D) MV4-11 and NB4 cells were transfected with HDAC6 siRNA via electroporation and incubated for 48 h. Immunoblot shows HDAC6 and ac-Tubulin; HSP90, loading control.