Pons et al.:

Human platelet lysate as validated replacement for animal serum to assess chemosensitivity

Supplementary Data

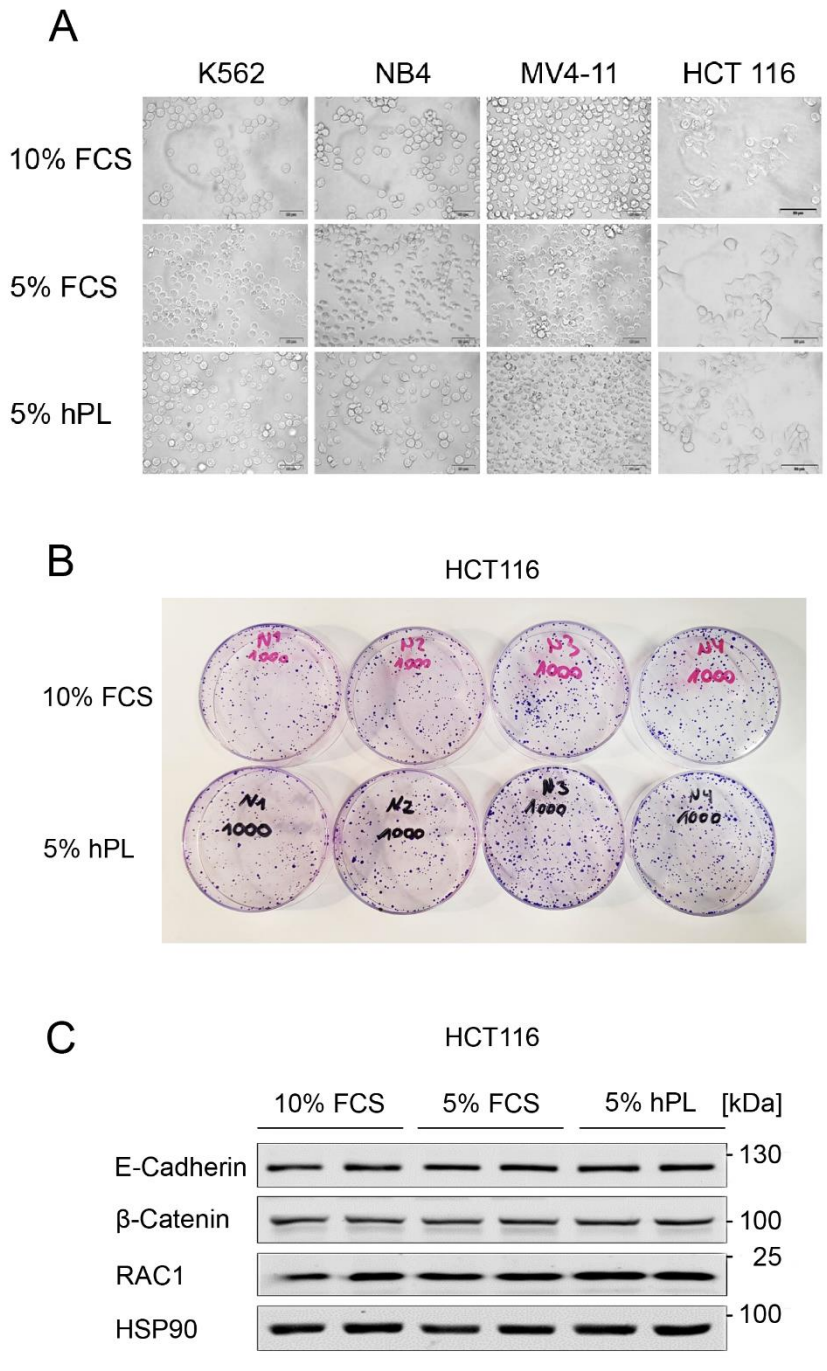

Fig. S1 Effect of culture conditions on cell morphology and protein expression
A) Comparison of the morphology of K562, NB4, MV4-11, and HCT116 cells cultured with media containing either 10% FCS, 5% FCS, or 5% hPL by light microscopy.
B) Colony assay of HCT116 cells cultivated in media containing either 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.

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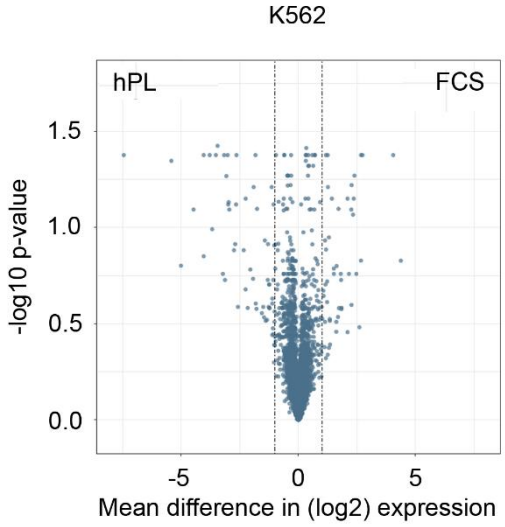

Fig. S2 Global scale proteomics reveal no significant changes in K562 cultured with FCS or hPL.
Volcano plot. Two dimensional scatter-plot showing no differentially expressed proteins in K562 cells cultured in medium either containing FCS or hPL; n=3±SD; 1% FDR.

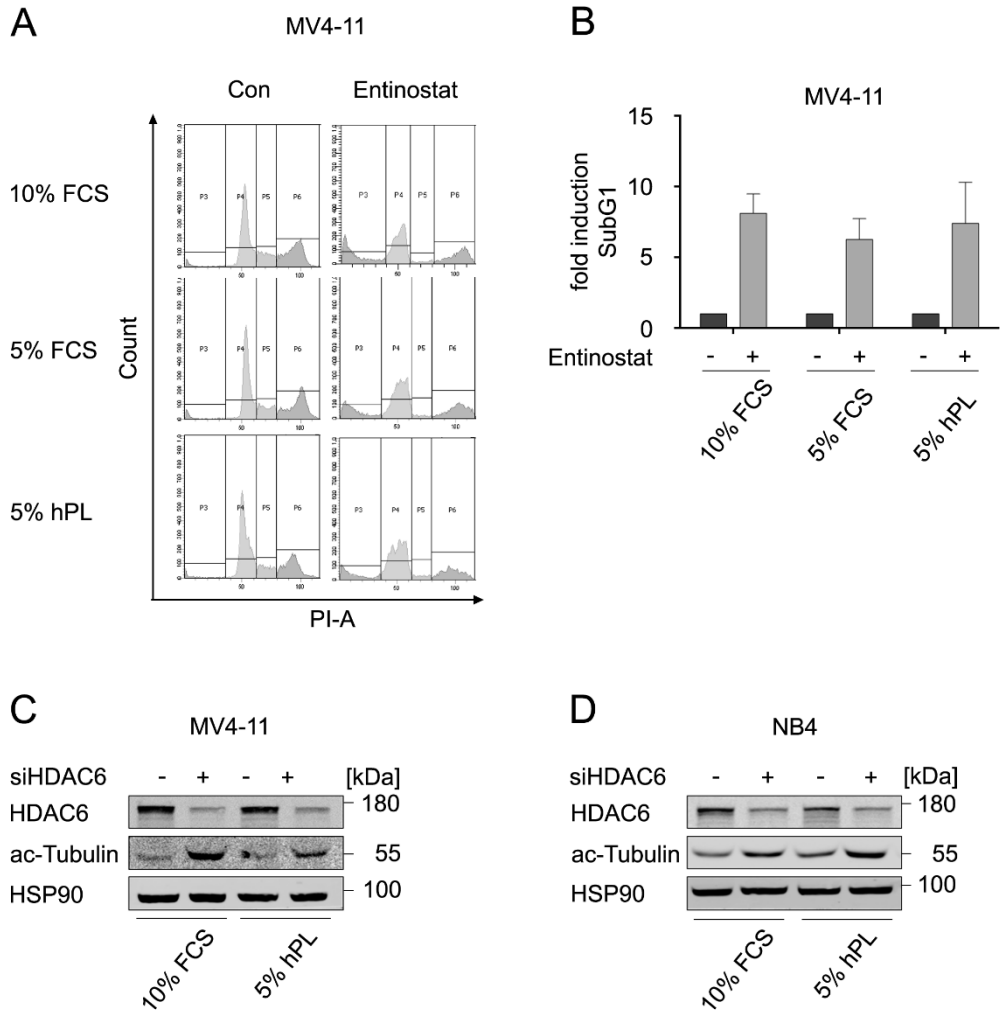

Fig. S3 Reactions of NB4 and MV4-11 cells to Entinostat or siRNA against HDAC6
A) MV4-11 cells were treated with 5 µM Entinostat for 24 h. Representative flow cytometry profiles of MV4-11 cells are shown. B) Induced SubG1 populations of PI-stained, fixed cells treated as described above; n=3±SD. C-D)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