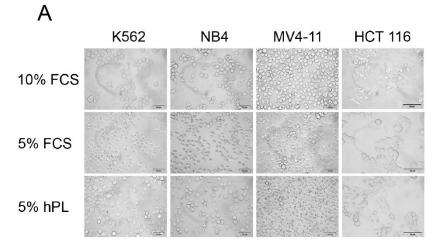
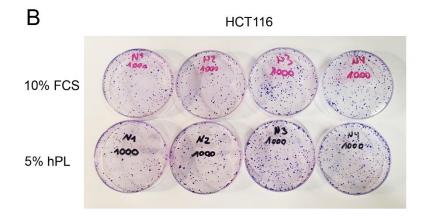
#### Pons et al.:

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

### Supplementary Data





**HCT116** 10% FCS 5% FCS 5% hPL [kDa] 130 E-Cadherin β-Catenin 100 RAC1 100 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- $\dot{Cadherin}$ ,  $\beta$ - $\dot{C}atenin$ , and RAC1 in untreated HCT116 cells were determined by immunoblot; HSP90. loading control.

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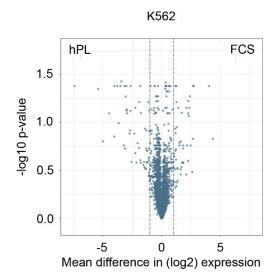
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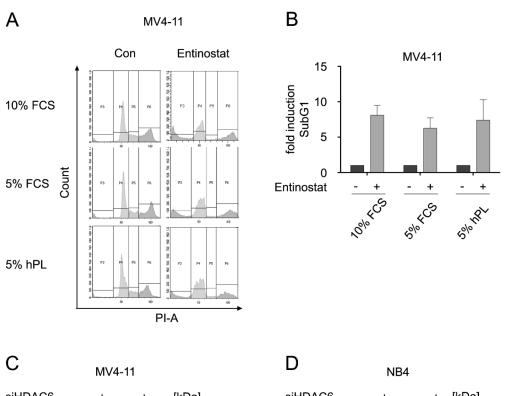
ALTEX 36(x), SUPPLEMENTARY DATA

HSP90



## 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 PIstained, 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.

siHDAC6 - + - + [kDa] HDAC6 - + - + [kDa] ac-Tubulin - 55 HSP90 - - 100

