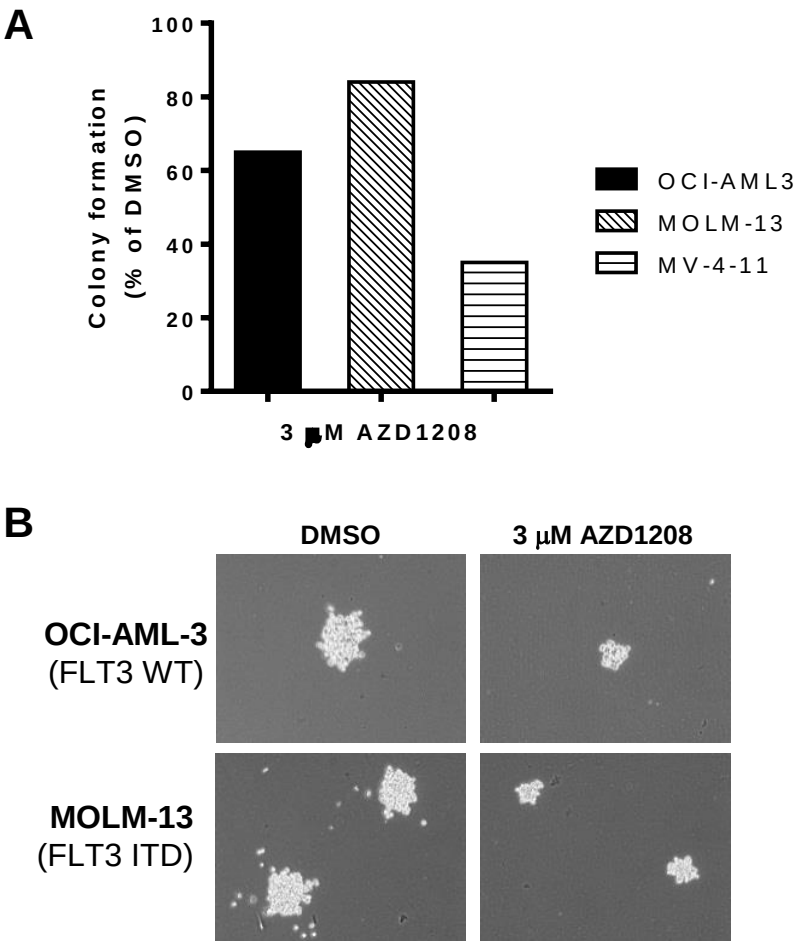
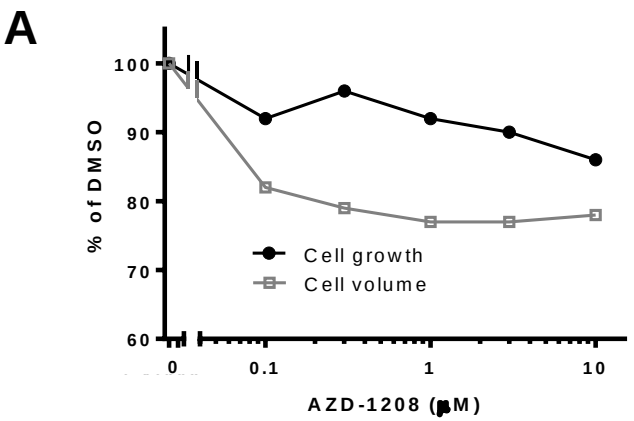
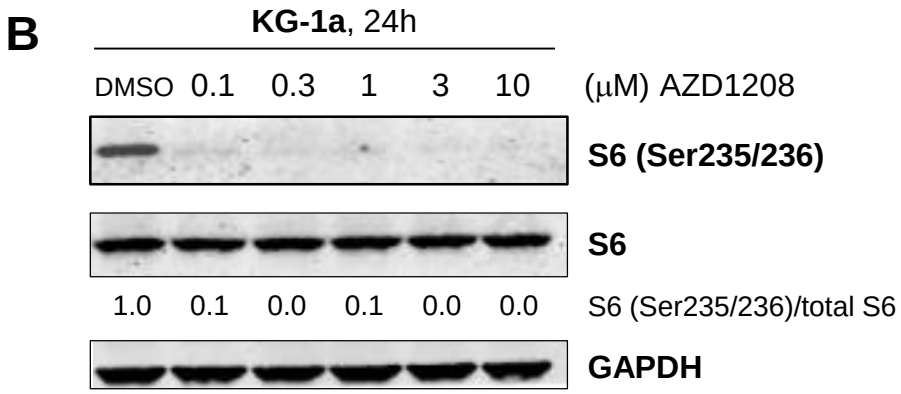
Supplemental Figure S1

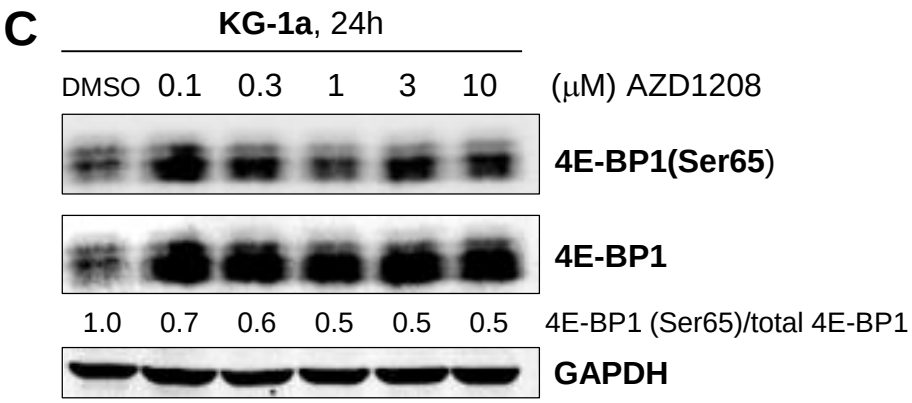


Supplemental Figure S1. Effect of AZD1208 on clonogenicity on OCI-AML-3, MOLM-13 and MV-4-11 AML cell lines. AML Cells were cultured in methylcellulose with either DMSO or 3μM AZD1208 for 5-6 days, then the number of colonies were visualized by microscope and counted.
(A) Percentage of colonies formed relative to DMSO in cells cultured with 3μM AZD1208 in methylcellulose.
(B) Representative colonies of OCI-AML-3 and MOLM-13 cells cultured with AZD1208 in methylcellulose, imaged at 400x magnification.

Supplemental Figure S2

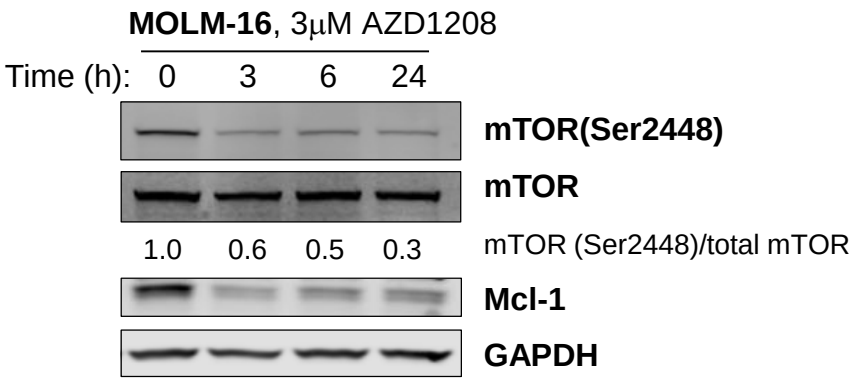






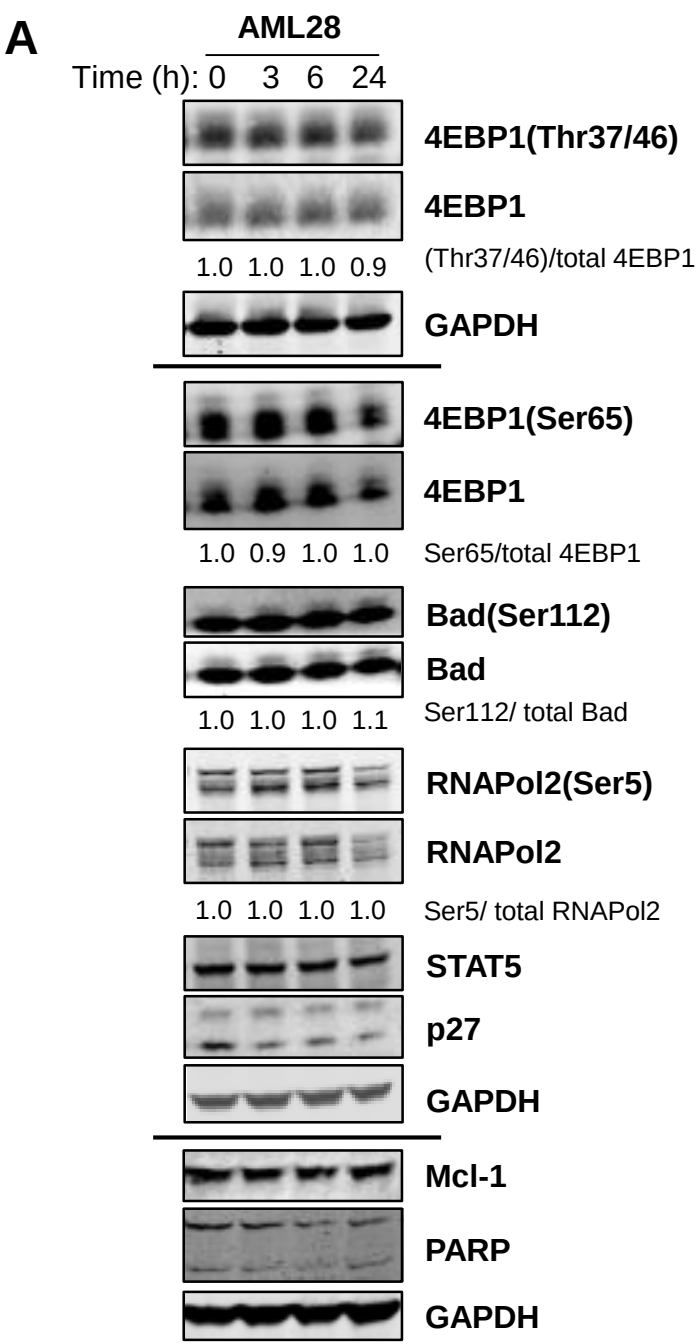
Supplemental Figure S2. Dose-dependent impact of AZD1208 on KG-1a cells. KG-1a cells were cultured with DMSO or 0.1, 0.3, 1, 3 or 10 μM AZD1208 for 24 h and then analyzed.
(A) Cell density and mean cell volume was measured in KG-1a cells with AZD1208 and compared with DMSO alone.
(B) Immunoblot analysis of phopho-S6(Ser235/236) and total S6 protein levels from AZD1208-treated KG-1a cells.
(C) Immunoblot analysis of phospho-4E-BP1 (Ser65) and total 4E-BP1 protein levels from AZD1208-treated KG-1a cells.

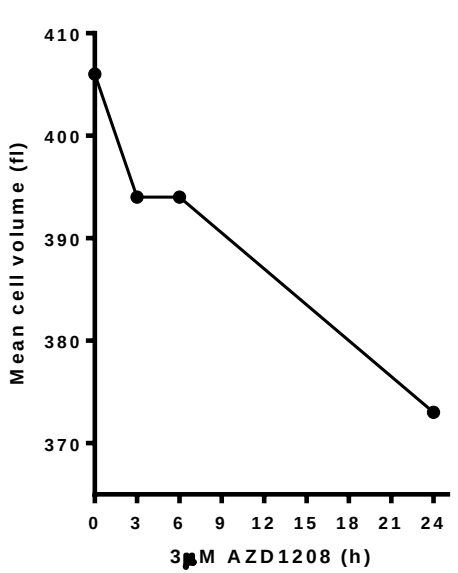
Supplemental Figure S3



Supplemental Figure S3. Impact of AZD1208 on MOLM-16. MOLM-16 cells were cultured with DMSO or 3 μM AZD1208 for 3, 6 or 24 h then cellular proteins were extracted and analyzed by immunoblot. GAPDH was used as a loading control.

Supplemental Figure S4





Supplemental Figure S4. Impact of AZD1208 on primary AML cells. AML cells were cultured with DMSO or 3μM AZD1208 for 3, 6 or 24 h then analyzed.
(A) Immunoblot analysis of cellular protein extracts from AZD1208-treated AML primary blasts. The figure comprises of images from three separate immunoblots, each with GAPDH as a loading control. Horizontal lines denote the separate immunoblots with the corresponding loading controls.
(B) Mean cell volume was measured in AML primary cells treated with AZD1208 for 3, 6 and 24 h and compared with DMSO alone. Cell volume is expressed in femtoliters (fl).