Supplementary information Fig. S4 The effects of UHRF1 inhibition on the apoptosis, proliferation and cell cycle of human AML cells.

a-b The expression of UHRF1 was examined by q-PCR and Western blotting analysis in Kasumi-1 (a) or THP-1 cells (b) transduced with the shRNA against UHRF1 or a control shRNA 48 hours after puromycin selection (n=3). c-d The flow cytometry analysis of the apoptosis in Kasumi-1 cells (c) or THP-1 cells (d) transduced with the shRNA against UHRF1 or a control shRNA (n≥3). e Kasumi-1 and THP-1 cells were transduced with shRNA against UHRF1 or a control shRNA. The apoptotic cells were identified by the morphological analysis 48 hours after the puromycin selection (scale bar: 25 μM). f The Western blotting analysis of p27, PARP, BAX and UHRF1 in Kasumi-1 or THP-1 cells transduced with shRNA against UHRF1 or a control shRNA. g-h The morphology (g) and number (h) of colonies generated from Kasumi-1 cells or THP-1 cells transduced with shRNA against UHRF1 or a control shRNA (n=3). i-j The cell cycle analysis of Kasumi-1 (i) or THP-1 (j) cells transduced with shRNA against UHRF1 or a control shRNA 48 hours after puromycin selection (n=3). Data are all presented as mean ± SD. Statistical analyses were performed using student’s unpaired t-test for a, b, c, d, h, i and j. *p<0.05, **p<0.01, ***p<0.001.