Expanded View Figures

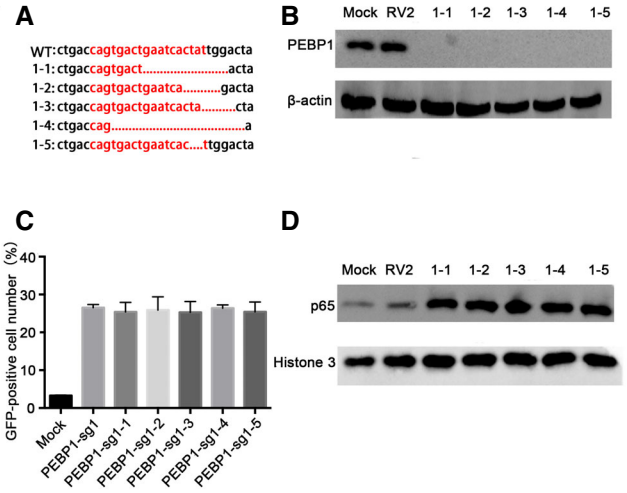

Figure EV1. Monoclonal analysis of PEBP1-KO-C11 cell line.

A Sequencing of PEBP1 PCR products after monoclonal sorting. The PCR products of *PEBP1* gene were cloned then sequenced. PEBP1-sg1 target sites were shown in red letters. Dashes indicate the deleted bases relative to the wild-type sequence. 1-1, 1-2, 1-3, 1-4, and 1-5 represent different monoclonal cell lines, respectively.

B The expression of PEBP1 was detected by Western blot in individual monoclonal cell lines.

C The proportion of GFP-positive cells was detected by flow cytometry after *PEBP1* knockout.

D The levels of nuclear NF-κB/p65 protein were analyzed by Western blot in different monoclonal cell lines and the mock C11 cells.

Data information: Data represent the mean ± SD of three independent experiments ($n = 3$).

Source data are available online for this figure.

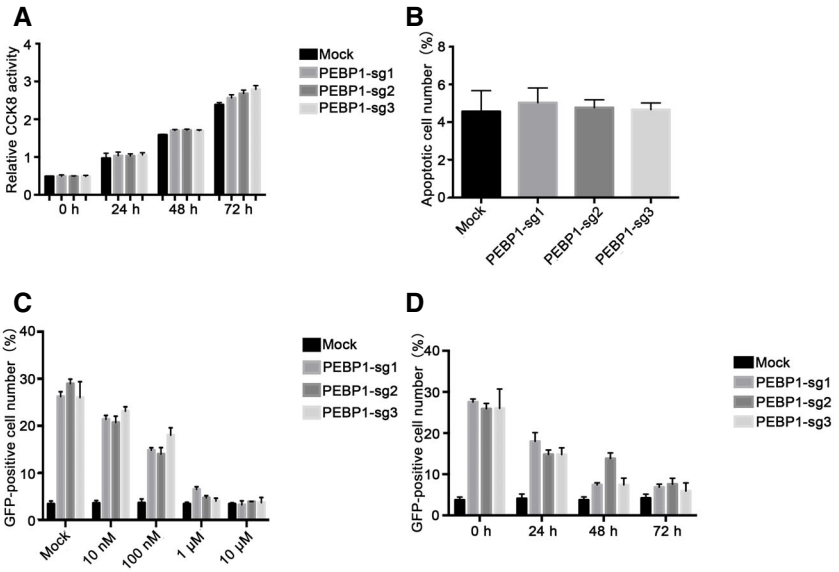

Figure EV2. Effect of PEBP1 knockout on the proliferation and apoptosis of latently infected C11 cells. The NF-κB nuclear entry inhibitor SC75741 prevents the reactivation of HIV-1 after *PEBP1* knockout in C11 cell model of latency.

A Cell proliferation of PEBP1-KO-C11 cells and mock C11 cells was analyzed by CCK-8 levels.

B Apoptosis of PEBP1-KO-C11 cells and mock C11 cells was measured by TUNEL staining followed by flow cytometry.

C The expression of GFP in the cells was measured by flow cytometry in C11-PEBP1-KO and mock C11 cells after treatment with NF-κB inhibitor SC75741 for 48 h.

D The expression of GFP in the cells was detected by flow cytometry in C11-PEBP1-KO and mock C11 cells after treatment with 1 μM of NF-κB inhibitor SC75741 at different time points.

Data information: Data represent the mean ± SD of three independent experiments and were analyzed with *t*-test ($n = 3$).

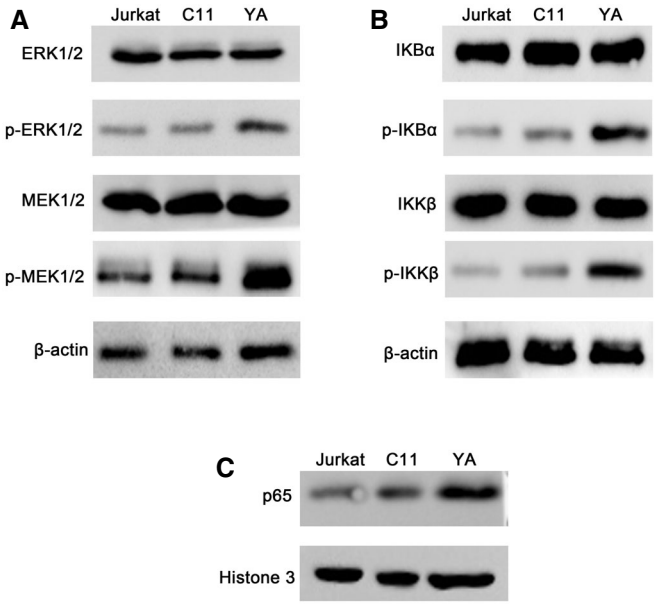

Figure EV3. Differential activation of MAPK, IKK, and NF-κB signaling pathways in uninfected Jurkat CD4$^+$ T cells, HIV-1 latently infected C11 CD4$^+$ T cells, and HIV-1 actively infected YA CD4$^+$ T cells.

A, B Activation of Raf1/ERK/IκB (A) or IKK/IκB (B) signaling pathway was analyzed in total protein lysates by Western blot in Jurkat, C11, and YA cells.

C Nuclear levels of NF-κB/p65 protein were analyzed by Western blot in Jurkat, C11, and YA cells.

Source data are available online for this figure.