

Casp8p41 generated by HIV protease kills CD4 T cells through direct Bak activation

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Due to an error during the production process, an incorrect version of Fig. 3 was published. Specifically, incorrect images were included for the top two panels of part I, and several figure parts contained minor formatting and labeling errors. A corrected version of the figure is shown below.

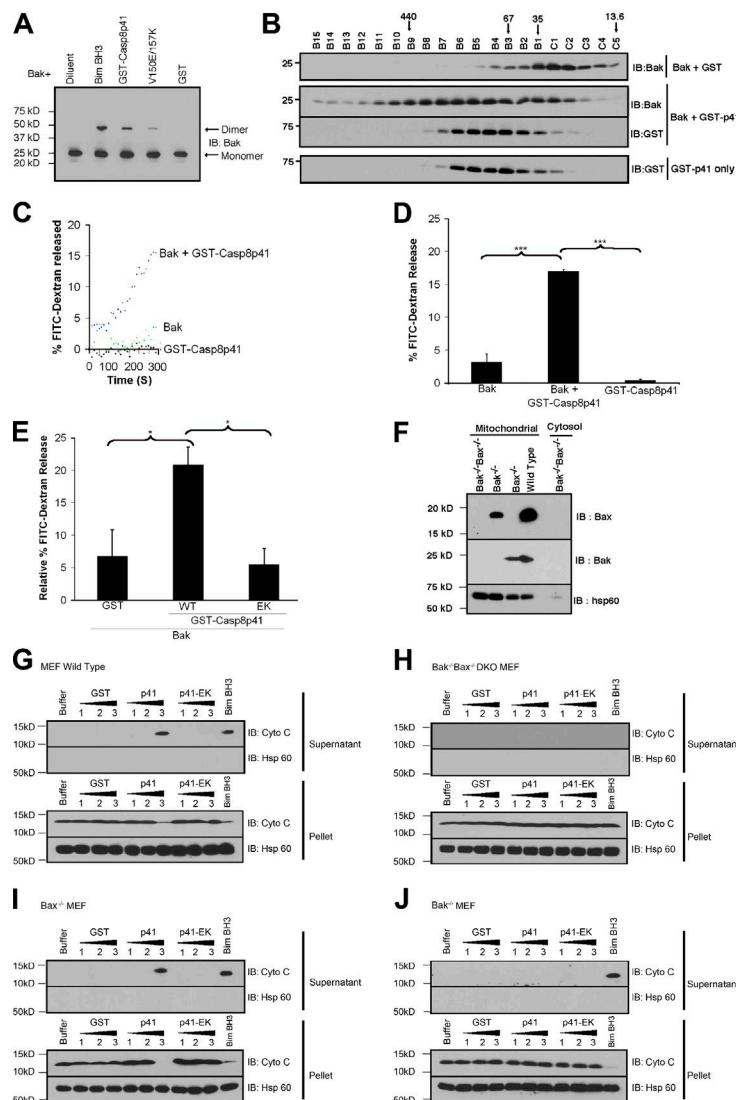


Figure 3. Casp8p41 facilitates Bak oligomerization and Bak-mediated MOMP. (A) Dextran-FITC-loaded liposomes composed of MOMP lipids were incubated with 50 nM His₆-BakΔTM in the absence or presence of 200 nM GST, GST-Casp8p41, or GST-Casp8p41 V150E/L157K at 37°C for 30 min. Bim BH3 peptide served as a positive control. After bismaleimidohexane cross-linking, samples were subjected to SDS-PAGE and blotted for Bak. (B) After His₆-BakΔTM was incubated with GST or GST-Casp8p41 in buffer containing 1% (wt/vol) CHAPS, fractions from size exclusion chromatography were blotted for Bak and GST. Representative of $n = 3$. (C) FITC-dextran release over time from FITC-dextran-loaded liposomes treated as in A. Representative of $n = 3$. (D) Summarized results from three independent experiments at 300 s of FITC-dextran release from liposomes. (E) FITC-dextran release from liposomes treated with 50 nM His₆-BakΔTM in the presence of 200 nM GST-Casp8p41, GST-Casp8p41 V150E/L157K (EK), or GST. 100% release in D and E was determined by treating liposomes with Triton X-100. Error bars indicate ± 1 SD from three independent experiments (*, $P < 0.05$; ***, $P < 0.001$). (F–J) After mitochondria (F) from wt (G), Bax^{-/-}/Bak^{-/-} double knockout (H), Bax^{-/-} (I), or Bak^{-/-} (J) MEFs were incubated with 200 (1), 500 (2), or 1,000 nM (3) of purified protein for 1 h, sedimented, and washed, the supernatants and pellets were blotted for cytochrome c (Cyto C) and, as a control, the mitochondrial matrix protein Hsp60. Bim BH3 (200 nM), which induces CytoC release in the presence of either Bak or Bax, served as a positive control. Representative of $n = 3$.

The html and pdf versions of this article have been corrected. The error remains only in the print version.