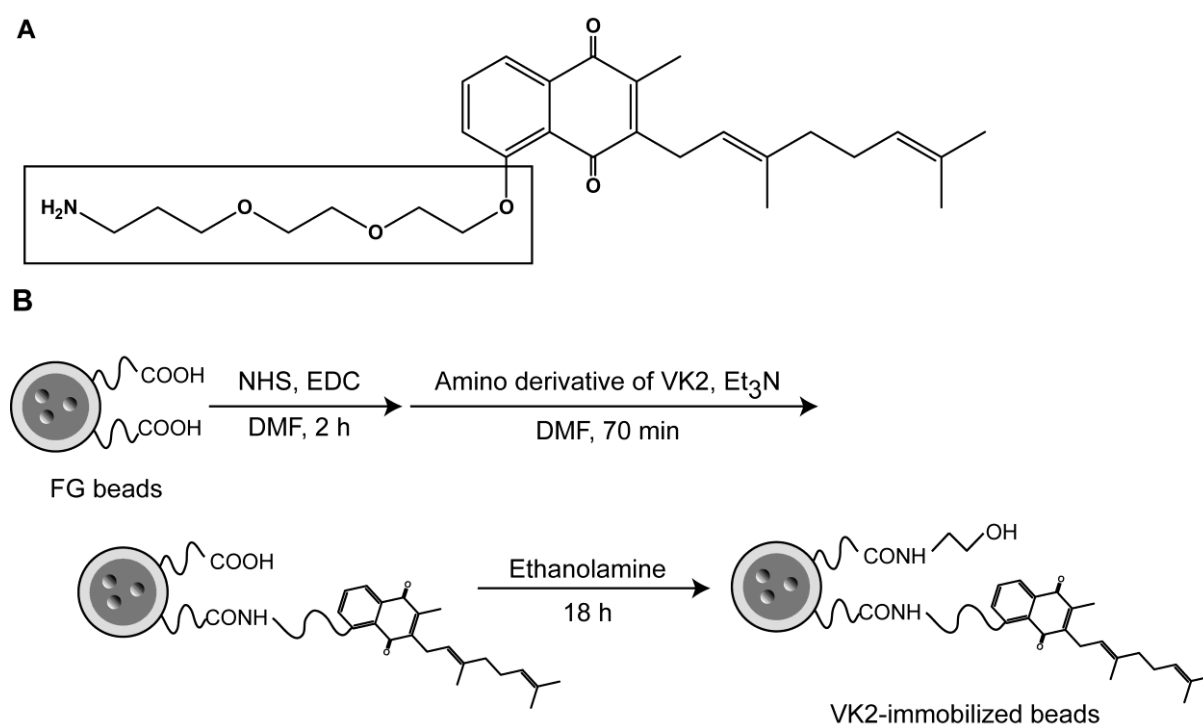


SUPPLEMENTARY INFORMATION

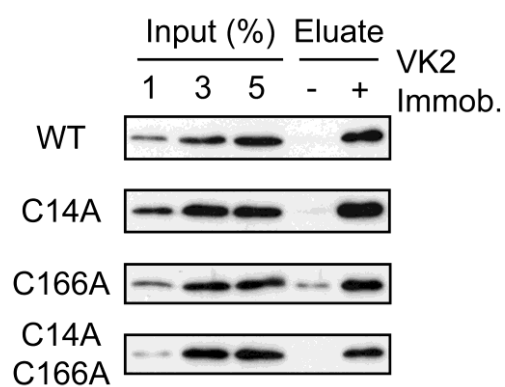
Vitamin K2 Covalently Binds to Bak and Induces Bak-Mediated Apoptosis

Satoki Karasawa, Motoki Azuma, Takeshi Kasama, Satoshi Sakamoto, Yasuaki Kabe, Takeshi Imai, Yuki Yamaguchi, Keisuke Miyazawa, and Hiroshi Handa

Molecular pharmacology



Supplementary Fig. 1. Diagram showing VK2 immobilization on FG beads. A, The amino derivative of VK2 (MK-2) used for immobilization. The open box indicates the side chain attached as a linker. B, The amino derivative of VK2 was immobilized on carboxylated FG beads using NHS and EDC. See Materials and Methods for details.



Supplementary Fig. 2. The cysteine-to-alanine mutants of Bak retain VK2-binding activity. Purified recombinant FLAG-Bak wild type (WT) or one of its mutants were incubated with VK2-conjugated beads (+) or control beads (-). Input and eluate materials were analyzed by immunoblotting.