

# **Autophagy is a critical regulator of cell cycle and apoptosis**

**Bin-Bin Ni, Bo Li, Yue-Hua Yang, Jiang-Wei Chen, Ke  
Chen, Sheng-Dan Jiang, Lei-Sheng Jiang**

**Harbin Institute of Technology**

Our results showed that P. autophagy was a potent inhibitor of the apoptotic effect of human P. autophagy, and that P. autophagy reduced the expression of apoptotic proteins, such as Akt, Akp and Akp-R7. Similar results were obtained for human Akt and Akp-R7. In summary, our results showed that P. autophagy was a potent inhibitor of the apoptotic effect of human P. autophagy, and that P. autophagy reduced the expression of apoptotic proteins, such as Akt, Akp and Akp-R7. Similar results were obtained for human Akt and Akp-R7. Conflict of Interest Statement The authors declare that the research was conducted in the absence of any commercial or financial relationships that could be construed as a potential conflict of interest. Acknowledgments We thank Mark Weiner for comments. References 1) Zuo L, Huang YE, Dominguez BZ, Lu XY, Yang H, Yu IC, et al. (2009). PGE1 expression and apoptosis in the mouse islet. *Cell Death*, 20, 652–664. 2) Zhang JL, Wu FQ, Zhang YH, Jiang DQ, et al. (2011). PGE1-induced apoptosis in the rat islet via the control of PAK1. *Cell Death*, 27, 322–325. 3) He X, Jiang Z, Huang YJ, Huang HJ, et al. (2011). PGE1 expression and apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 31, 611–614. 4) Zhang JL, Xu XH, Yang HJ, et al. (2011). PGE1 expression and apoptosis in the rat islet following Western blotting of pGE1 expression. *Cell Death*, 31, 622–628. 5) Zhang JL, Yamasaki Y, Huang YJ, Huang HJ, et al. (2011). PGE1 expression and apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 31, 633–636. 6) Zhang JL, Zhaozhuang X, Chen ZS, Xu ZI, et al. (2011). PGE1-induced apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 31, 638–642. 7) Zhang JL, Zhang YH, Jiang Z, Huang YJ, et al. (2011). PGE1-induced apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 31, 643–648. 8) Zhou C, May YL, Zhou ZA, Sun YP, et al. (2010). PGE1 expression and apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 32, 782–780. 9) Gu JF, Liu XJ, Yang YH, et al. (2010). PGE1 expression and apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 32, 785–789. 10) Fink L, Matsuzo J, Glaser P, et al. (2011). PGE1 expression and apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 33, 790–798. 11) Fink L, Fink K, Chiba H, Sun YP, et al. (2010). PGE1 expression and apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 33, 821–829. 12) Zhou C, Gu YJ, Yang YH, et al. (2010). PGE1 expression and apoptosis in the rat islet after Western blotting of pGE1 expression. *Cell Death*, 33, 852–869. 13) Fink L, Fink K, Chiba H, Sun YP