

Article

Notch3-Mediated mTOR Signaling Pathway Is Involved in High Glucose-Induced Autophagy in Bovine Kidney Epithelial Cells

Yaocheng Cui ^{1,†}, Jing Fang ^{1,†}, Hongrui Guo ¹, Hengmin Cui ¹, Junliang Deng ¹, Shumin Yu ¹, Liping Gou ¹, Fengyuan Wang ², Xiaoping Ma ¹, Zhihua Ren ¹, Yue Xie ¹, Yi Geng ¹, Ya Wang ¹ and Zhicai Zuo ^{1,*}

¹ Key Laboratory of Animal Disease and Human Health of Sichuan Province, College of Veterinary Medicine, Sichuan Agricultural University, Chengdu 611130, China; cuiyaocheng@stu.sicau.edu.cn (Y.C.); fangjing4109@163.com (J.F.); guohongrui@sicau.edu.cn (H.G.); cuihengmin2008@sina.com (H.C.); dengjl213@126.com (J.D.); yayushumin@163.com (S.Y.); glping0827@163.com (L.G.); mxp886@sina.com (X.M.); zhihua_ren@126.com (Z.R.); zhandegaokandey123@163.com (Y.X.); gengyisicau@126.com (Y.G.); wangyayang@126.com (Y.W.)

² College of Animal & Veterinary Sciences, Southwest Minzu University, Chengdu 610041, China; wfy_sccd@163.com

* Correspondence: zzcjl@126.com; Tel.: +86-180-3064-8320

† These authors contributed equally to this work.

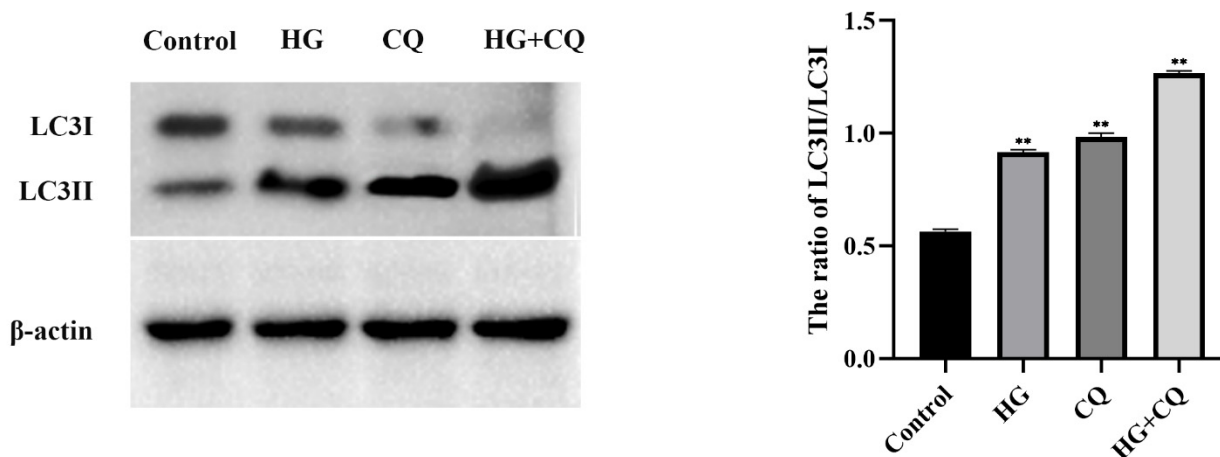


Figure S1. The effect of HG on autophagic flux. MDBK cells were pretreated with CQ (10 μ M) for 6h, and then stimulated with 25.5 mM glucose for another 24 h, and the protein expression level of LC3 was detected by the Western bolt. ** $p < 0.01$ compared with control group.