

High expression of GNA13 is associated with poor prognosis in hepatocellular carcinoma

Yi Xu^{1*}, Jian Rong^{2*}, Shiyu Duan^{3,4*}, Cui Chen¹, Yin Li⁵, Baogang Peng⁶, Bin Yi², Zhousan Zheng¹, Ying Gao¹, Keping Wang⁷, Miao Yun^{8,9}, Huiwen Weng¹, Jiaying Zhang^{1,8} & Sheng Ye¹

¹Department of Oncology, The First Affiliated Hospital, Sun Yat-Sen University, Guangzhou 510080, China, ²Department of Extracorporeal Circulation, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou 510080, China, ³Department of Pathology, Nanfang Hospital, Southern Medical University, Guangzhou 510515, China, ⁴Department of Pathology, School of Basic Medical Sciences, Southern Medical University, Guangzhou 510515, China, ⁵Department of Gastrointestinal Surgery, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou 510080, China, ⁶Department of Liver Surgery, The First Affiliated Hospital, Sun Yat-sen University, Guangzhou 510080, China, ⁷Department of Surgical Laboratory, The First Affiliated Hospital, Sun Yat-Sen University, Guangzhou 510080, China, ⁸Sun Yat-sen University Cancer Center, State Key Laboratory of Oncology in South China, Collaborative Innovation Center for Cancer Medicine, Guangzhou 510060, China, ⁹Department of Ultrasound, Cancer Center, Sun Yat-Sen University, Guangzhou 510060, China

Correspondence and requests for materials should be addressed to J.X.Z. (zjxlundy@hotmail.com) or S.Y. (yes20111212@163.com)

*These authors contributed equally to this work.

Supplementary figure legends

Supplementary Figure S1. Effect of GNA13 overexpression on the expression of P-AKT and P-ERK.

Western blotting analysis revealed that overexpression of GNA13 had no obvious effect on the protein levels of P-AKT and P-ERK.

Supplementary Figure S1

