

The Inhibition of Gastric Cancer Cells' Progression by 23,24-Dihydrocucurbitacin E through Disruption of the Ras/Raf/ERK/MMP9 Signaling Pathway

Huiping Liu, Huijuan Wang, Aijun Dong, Xiaoshuang Huo, Huaxiang Wang,

Junchi Wang*, Jianyong Si*

The Key Laboratory of Bioactive Substances and Resources Utilization of Chinese Herbal Medicine, Ministry of Education, Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, 100193, China; 118610817598@163.com (H.L.); whj200428@163.com (H.W.); daj0938@163.com (A.D.); 13552646119@163.com (X.H.); whx9905@163.com (H.W.)

*Correspondence: jcwang@implad.ac.cn (J.W.); jysi@implad.ac.cn (J.S.)

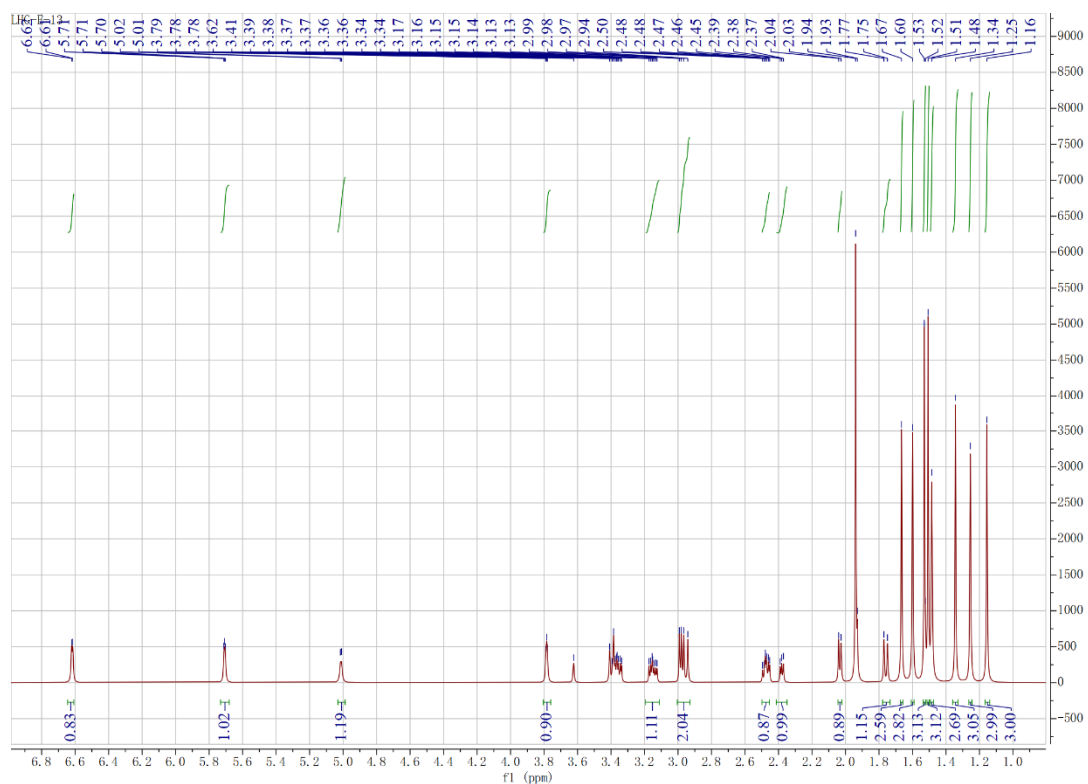


Figure S1 ^1H -NMR (600 MHz, pyridine- d_5) spectrum of 23,24-dihydrocucurbitacin E

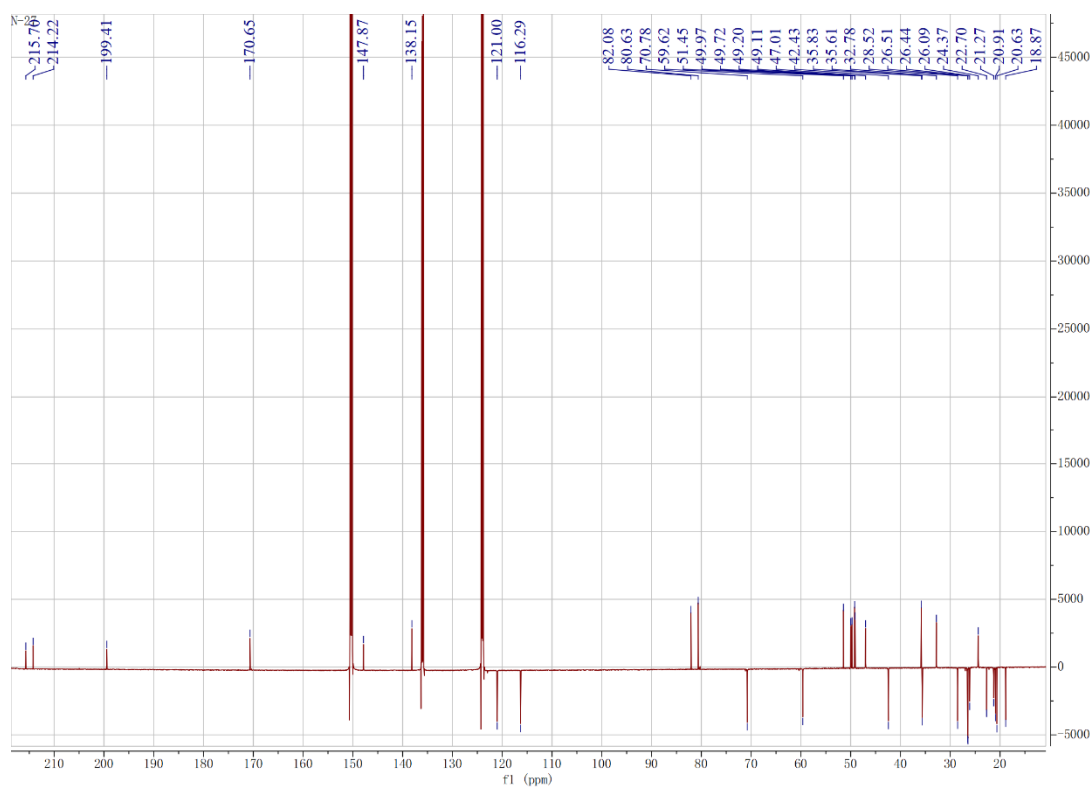


Figure S2 ^{13}C -APT (150 MHz, pyridine- d_5) spectrum of 23,24-dihydrocucurbitacin E

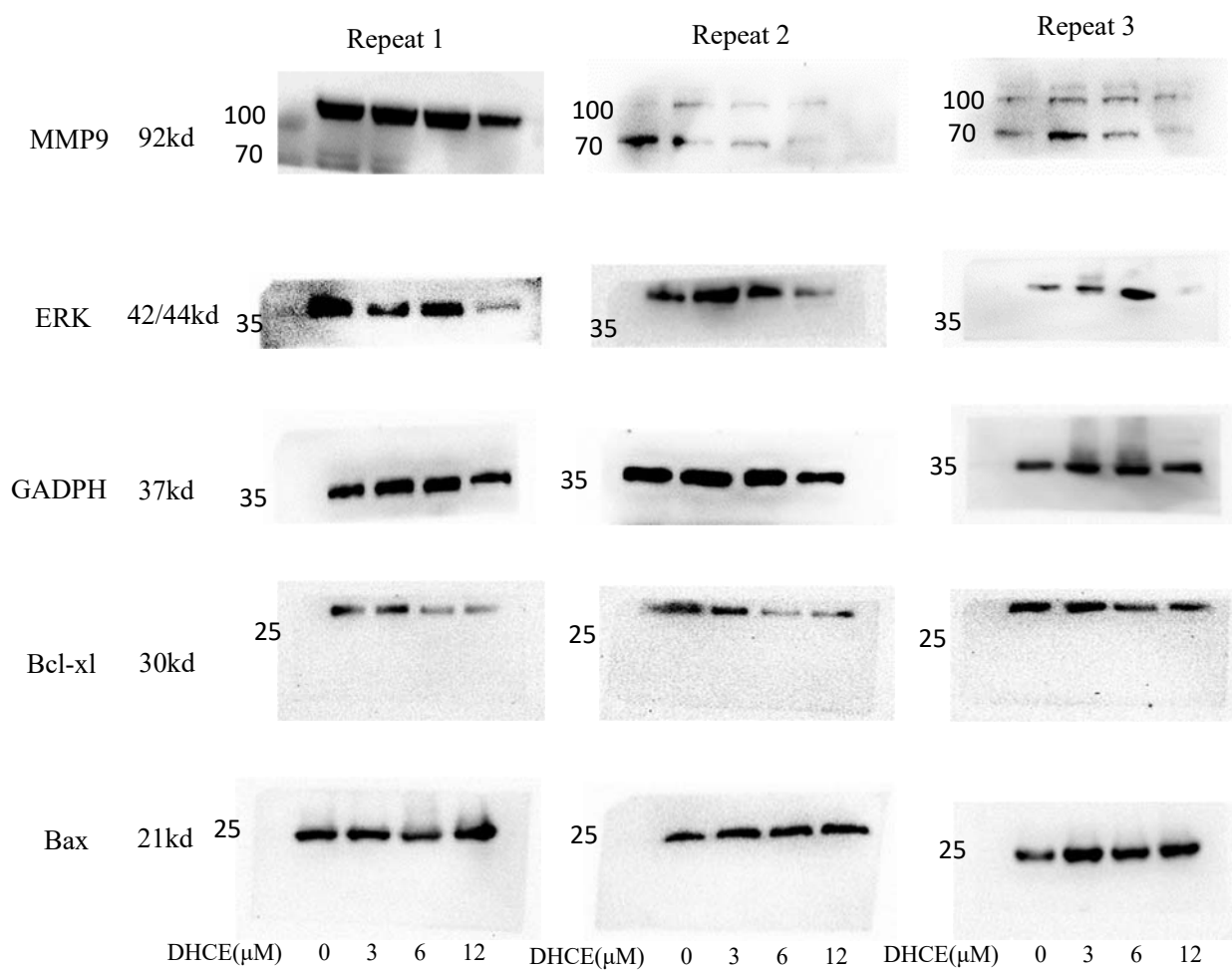


Figure S3 Original western blots images of MMP9, ERK, Bcl-xl and Bax in MGC803 cells (n=3).

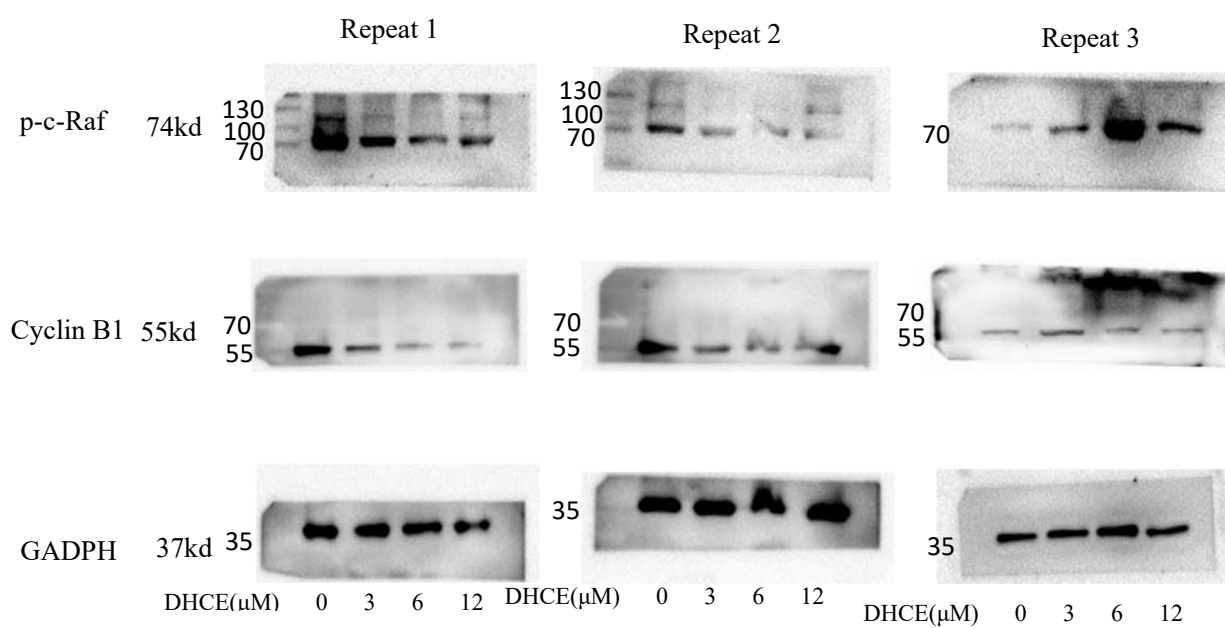


Figure S4 Original western blots images of p-c-Raf and Cyclin B1 in MGC803 cells (n=3).

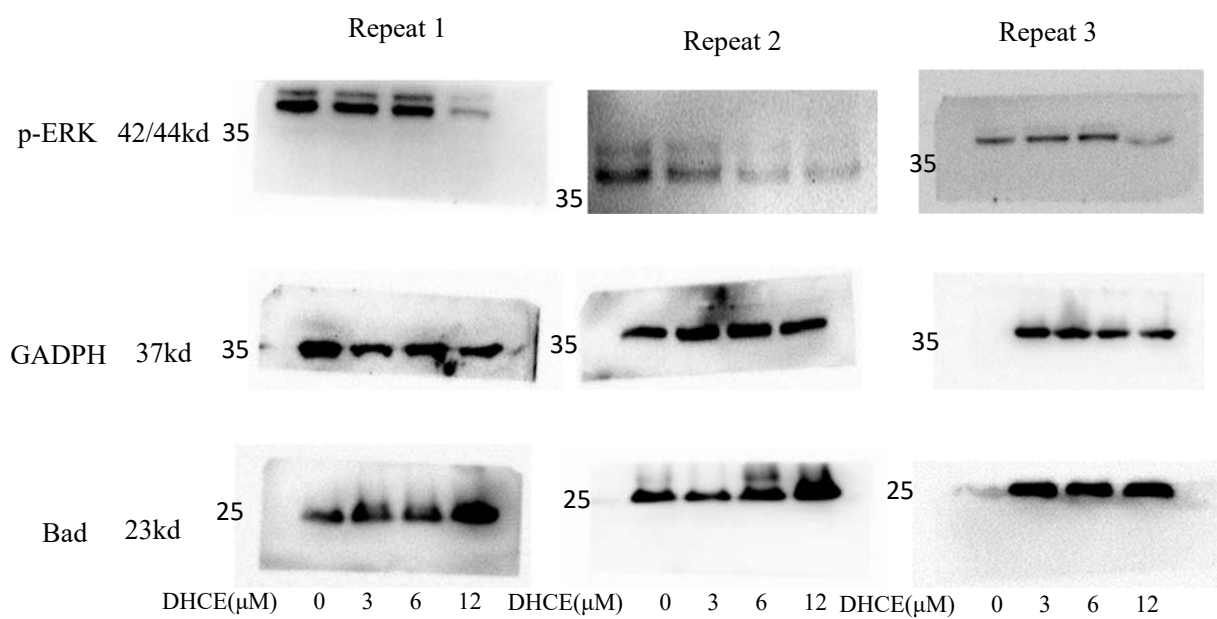


Figure S5 Original western blots images of p-ERK and Bad in MGC803 cells (n=3).

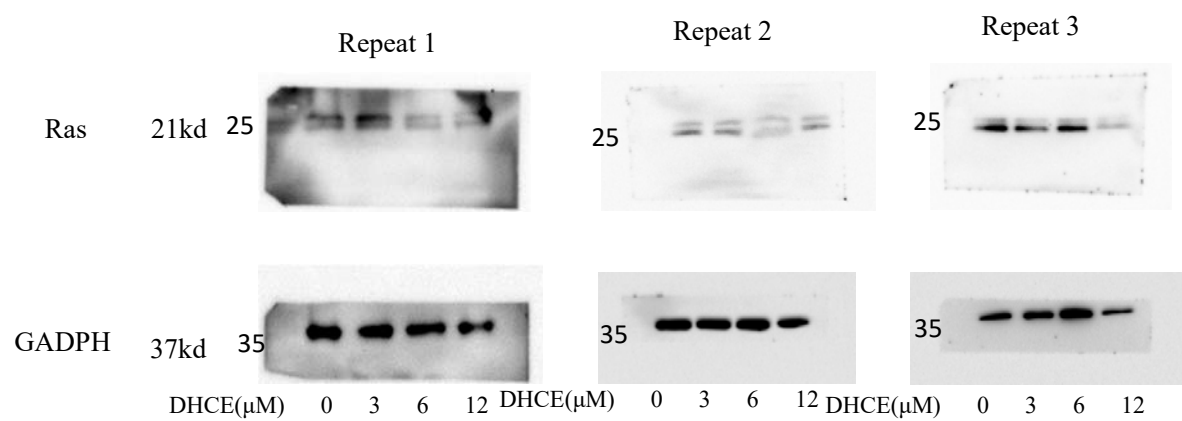


Figure S6 Original western blots images of Ras in MGC803 cells (n=3).

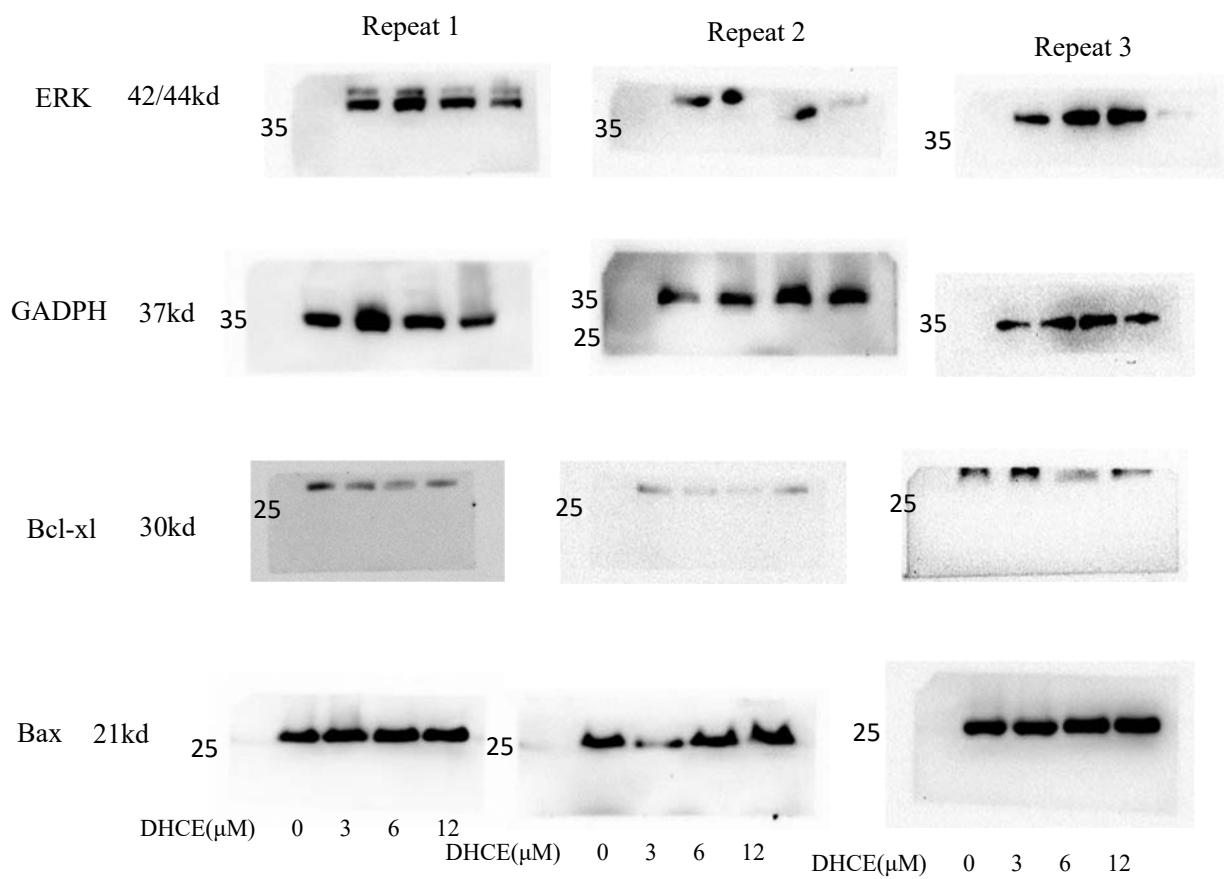


Figure S7 Original western blots images of ERK, Bcl-xl and Bax in SGC7901 cells (n=3).

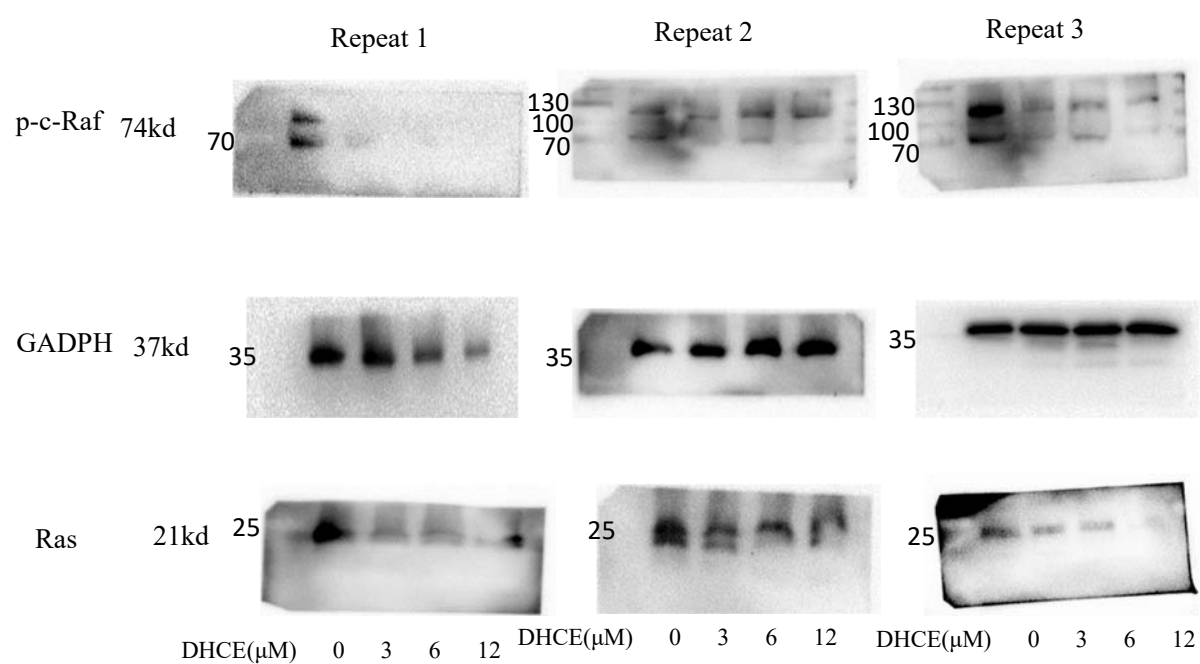


Figure S8 Original western blots images of p-c-Raf and Ras in SGC7901 cells (n=3).

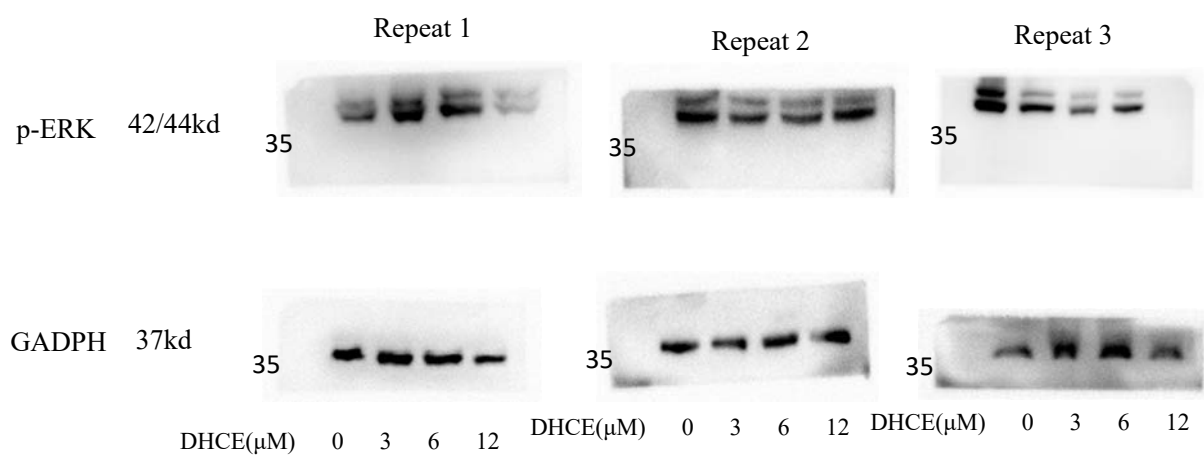


Figure S9 Original western blots images of p-ERK in SGC7901 cells (n=3).

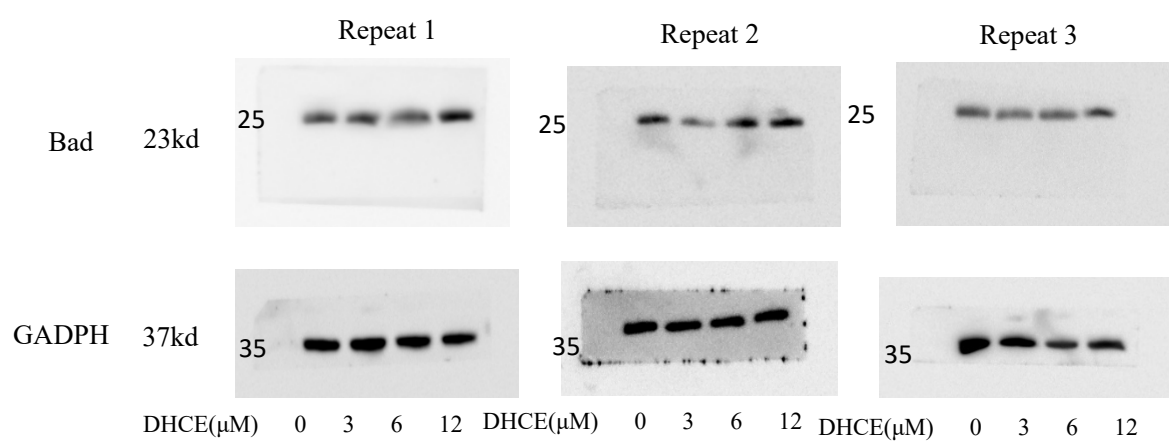


Figure S10 Original western blots images of Bad in SGC7901 cells (n=3).

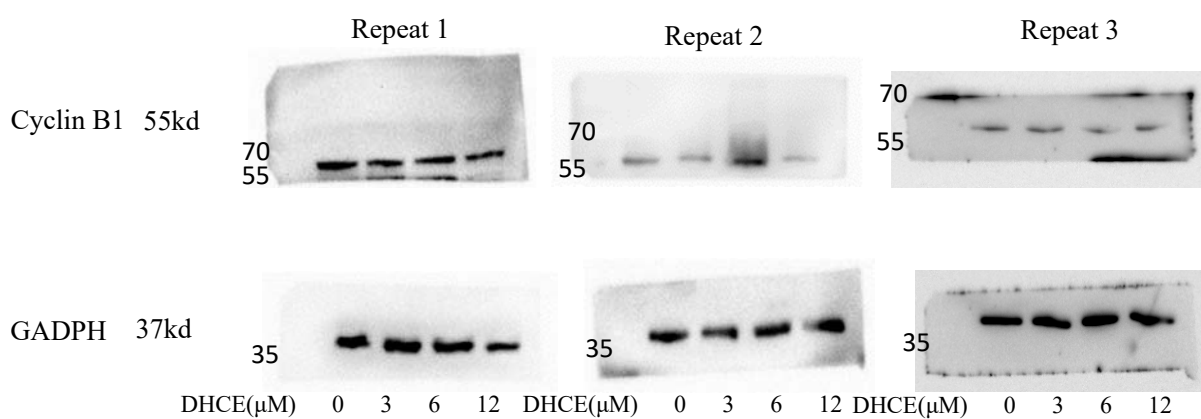


Figure S11 Original western blots images of Cyclin B1 in SGC7901 cells (n=3).

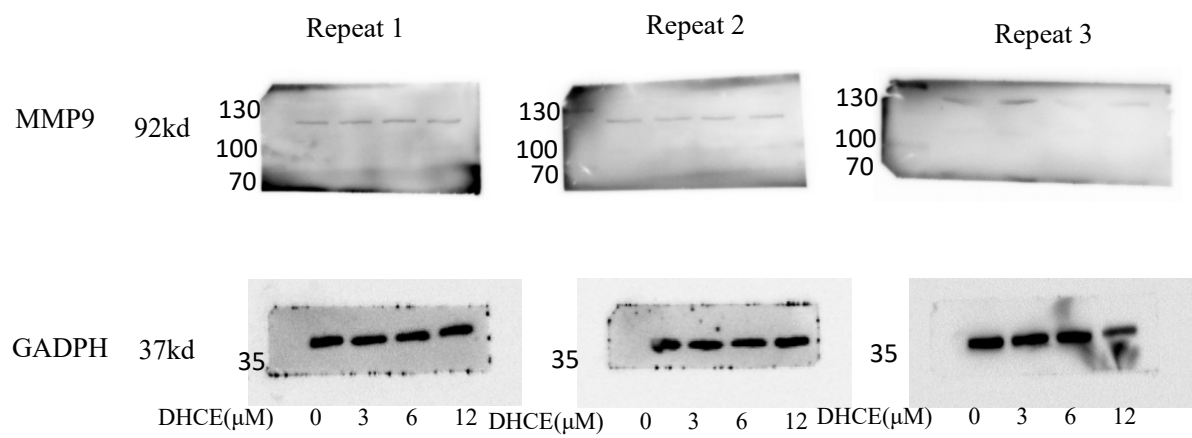


Figure S12 Original western blots images of MMP9 in SGC7901 cells (n=3).