

Supplemental Data

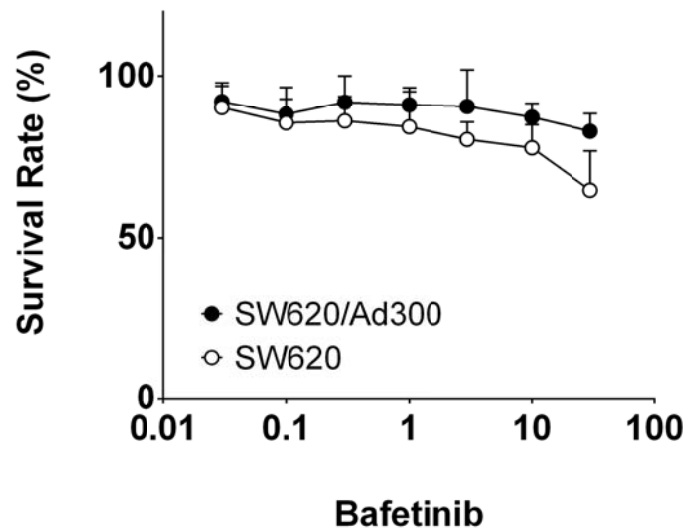
Bafetinib (INNO-406) reverses multidrug resistance by inhibiting the efflux function of ABCB1 and ABCG2 transporters

Yun-Kai Zhang¹, Guan-Nan Zhang¹, Yi-Jun Wang¹, Bhargav A. Patel¹, Tanaji T. Talele¹, Dong-Hua Yang¹ and Zhe-Sheng Chen^{1,*}

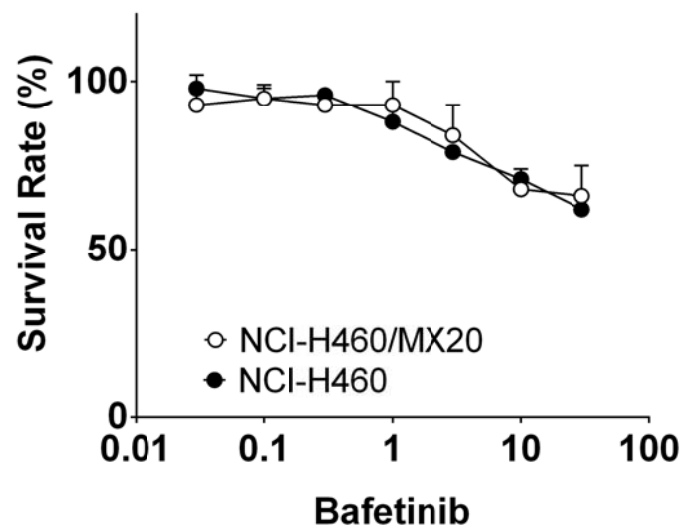
¹Department of Pharmaceutical Sciences, College of Pharmacy and Health Sciences, St. John's University, Queens, NY 11439, USA

Corresponding Author:

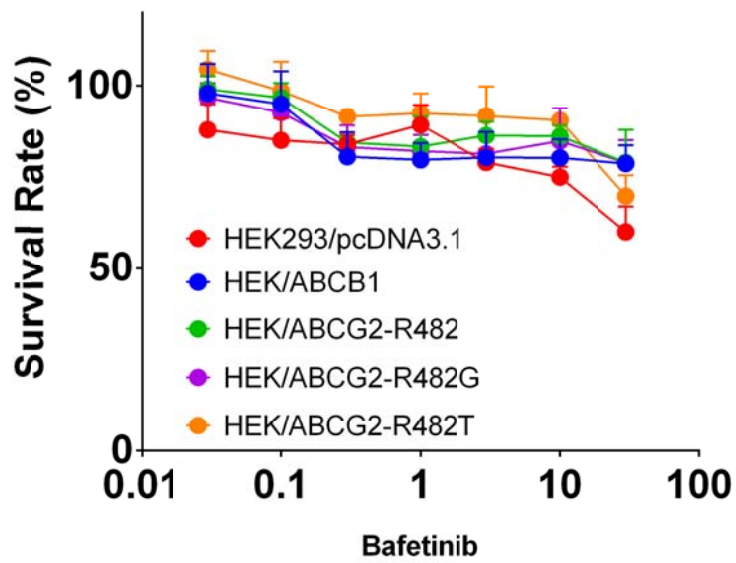
*Dr. Zhe-Sheng Chen, M.D., Ph.D., Department of Pharmaceutical Sciences, St. John's University, Queens, New York, 11439, USA. Tel: 1-718-990-1432, Fax: 1-718-990-1877. Email: chenz@stjohns.edu



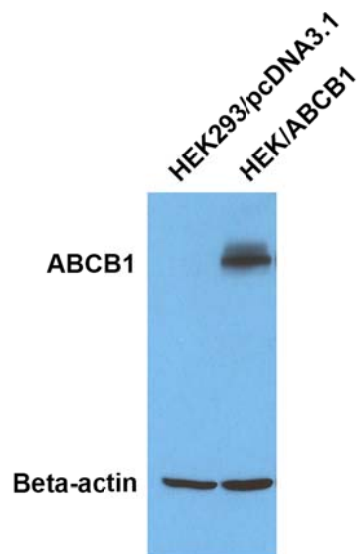
Supplemental Figure S1. Cytotoxicity of bafetinib in parental SW620 and ABCB1-overexpressing SW620/Ad300 cells. X axis in μM .



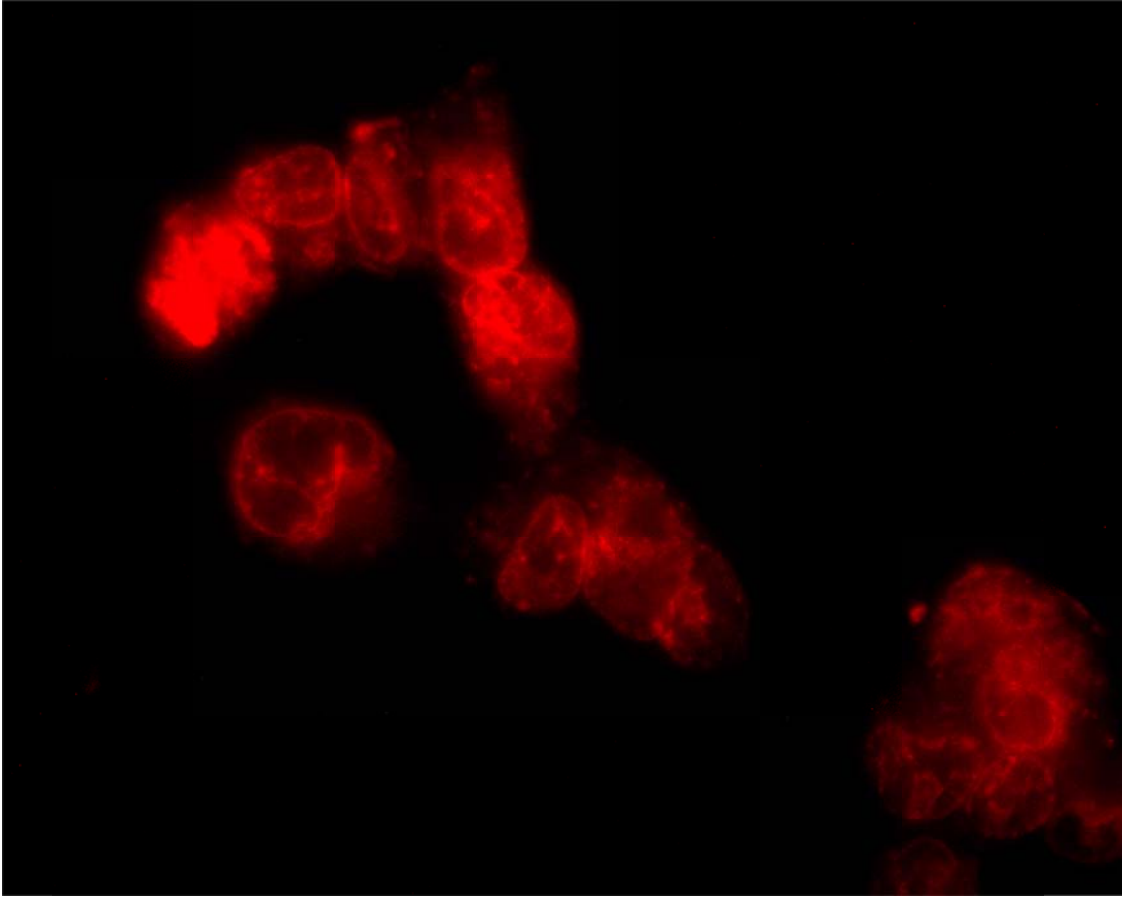
Supplemental Figure S2. Cytotoxicity of bafetinib in parental NCI-H460 and ABCG2-overexpressing NCI-H460/MX20 cells. X axis in μM .



Supplemental Figure S3. Cytotoxicity of bafetinib in parental HEK293/pcDNA3.1, ABCB1-transfected and ABCG2-transfected cell lines. X axis in μM .



Supplemental Figure S4. Expression of ABCB1 in HEK293/pcDNA3.1 and HEK/ABCB1 cells.



Supplemental Figure S5. High-resolution picture of doxorubicin accumulation fluorescence in Bafetinib (3 μM) treated HEK/ABCB1 cells.