





Scan to view this journal on your mobile device

ACTA BIOCHIMICA ET BIOPHYSICA SINICA

VOLUME 50, NUMBER 4 APRIL 2018

Contents

ĸ	ev	П	Δ	۱A	
	Cν		c	v	v

The TGFβ superfamily in cardiac dysfunction Jian Wu, Olan Jackson-Weaver, and Jian Xu	323
Original Articles	
MiR-31 regulates the function of diabetic endothelial progenitor cells by targeting Satb2 Weishuai Lian, Xiaoxiao Hu, Rongfeng Shi, Shilong Han, Chuanwu Cao, Kun Wang, and Maoquan Li	336
Protective effect of estrogen against intervertebral disc degeneration is attenuated by miR-221 through targeting estrogen receptor α Bin Sheng, Youchao Yuan, Xiangyang Liu, Yi Zhang, Hongzhe Liu, Xiongjie Shen, Bin Liu, and Lei Chang	345
BRAF and EGFR inhibitors synergize to increase cytotoxic effects and decrease stem cell capacities in BRAF(V600E)-mutant colorectal cancer cells Zhenhua Wu, Mingzhu Huang, Yiwei Gong, Chen Lin, and Weijian Guo	355
Myeloid-derived suppressor cells suppress CD4 ⁺ T cell activity and prevent the development of type 2 diabetes Tao Wang, Yuanyuan Wen, and Xiaochong Fan	362
Elevated G6PD expression contributes to migration and invasion of hepatocellular carcinoma cells by inducing epithelial-mesenchymal transition Ming Lu, Lu Lu, Qiongzhu Dong, Guangyang Yu, Jinhong Chen, Lunxiu Qin, Lianxin Wang, Wenwei Zhu, and Huliang Jia	370
An ultrasensitive biological probe enhanced RT-IPCR assay for detecting benzo[a]pyrene in environmental samples based on the specific polyclonal antibody Zhen Ma and Huisheng Zhuang	381
An EGF receptor-targeting amphinase recombinant protein mediates anti-tumor activity in vitro and in vivo Ruling Shen, Danrong Ye, Qin Huang, Jun Li, Qingcheng Wang, and Jian Fei	391
PKC inhibition of sotrastaurin has antitumor activity in diffuse large B-cell lymphoma via regulating the expression of MCT-1 Gaomei Chang, Jiayi Zheng, Wenqin Xiao, Shuaikang Chang, Qing Wei, Huiqun Wu, Yi Tao, Guang Yang, Bingqian Xie, Xiucai Lan, Yingcong Wang, Dandan Yu, Liangning Hu, Yongsheng Xie, Wenxuan Bu, Yuanyuan Kong, Bojie Dai, Jun Hou, and Jumei Shi	399

activities Xiaodong Cui, Jingjing Du, Jiao Li, and Zhuanhua Wang	408
Histone deacetylase SIRT6 inhibits glioma cell growth through down-regulating NOTCH3 expression Xin Chen, Deheng Li, Yang Gao, Yiqun Cao, and Bin Hao	417
Lab Notes	
Identification of a novel host protein interacting with <i>Toxoplasma gondii</i> toxofilin via a yeast two-hybrid system Yanshen Li, Zhenhua Yu, Yong Cui, Hui Sun, Jin Li, Kun Yin, Guihua Zhao, Hongfa Wang, Bingcheng Huang, Qingkuan Wei, Gongzhen Liu, and Jingxuan Kou	425
Optimized protocol of RBCs lysis for immunophenotypic analysis in the peripheral blood of tree shrew Xintong Li, Yufen Tao, Jiansheng Liu, Wei Lu, Honggi Liu, and Jiejie Dai	428

Acta Biochim Biophys Sin is indexed in Science Citation Index-Expanded $^{\text{TM}}$, PubMed, MEDLINE, Biochemistry & Biophysics Citation Index $^{\text{TM}}$, Biological Abstracts, Bioscience Citation Index $^{\text{TM}}$, Chemical Abstracts, Research Alert $^{\text{TM}}$, etc. Acta Biochim Biophys Sin is supported by the grants from the Science Publishing Foundation of the Chinese Academy of Sciences, the Project for Enhancing International Impact of China STM Journals, and the WANG Ying-Lai Foundation.