



Acta Biochimica et Biophysica Sinica

Vol. 44 No. 3 March 2012

Contents

Review

187 Janus kinase 3: the controller and the controlled

Wei Wu and Xiao-Hong Sun

Original Articles

- 197 Low microRNA-199a expression in human amniotic epithelial cell feeder layers maintains human-induced pluripotent stem cell pluripotency via increased leukemia inhibitory factor expression Te Liu, Oing Chen, Yongyi Huang, Qin Huang, Lizhen Jiang, and Lihe Guo
- 207 Acetylcholinesterase is associated with apoptosis in β cells and contributes to insulin-dependent diabetes mellitus pathogenesis

Bao Zhang, Lei Yang, Luyang Yu, Bo Lin, Yanan Hou, Jun Wu, Qin Huang, Yifan Han, Lihe Guo, Qi Ouyang, Bo Zhang, Lu Lu, and Xuejun Zhang

217 Molecular detection of plant pathogenic bacteria using polymerase chain reaction single-strand conformation polymorphism

Chandrashekar Srinivasa, Umesha Sharanaiah, and Chandan Shivamallu

- 224 Human tetraspanin transmembrane 4 superfamily member 4 or intestinal and liver tetraspan membrane protein is overexpressed in hepatocellular carcinoma and accelerates tumor cell growth Ying Li, Leiming Wang, Jie Qiu, Liang Da, Pierre Tiollais, Zaiping Li, and Mujun Zhao
- 233 MiR-200a is involved in rat epididymal development by targeting β-catenin mRNA
 Xiaojiang Wu, Botao Zhao, Wei Li, Yue Chen, Ruqiang Liang, Lin Li, Youxin Jin, and Kangcheng Ruan
- 241 The combined influence of surface modification, size distribution, and interaction time on the cytotoxicity of CdTe quantum dots in PANC-1 cells

Shuquan Chang, Bin Kang, Xiqin Liu, Yaodong Dai, and Da Chen

249 Truncated N-terminal huntingtin fragment with expanded-polyglutamine (htt552-100Q) suppresses brain-derived neurotrophic factor transcription in astrocytes

Linhui Wang, Fang Lin, Jin Wang, Junchao Wu, Rong Han, Lujia Zhu, Guoxing Zhang, Marian DiFiglia, and Zhenghong Qin

259 Comparative evaluation of T11 target structure and its deglycosylated derivative nullifies the importance of glycan moieties in immunotherapeutic efficacy

Sirshendu Chatterjee, Sagar Acharya, Pankaj Kumar, Ananya Chatterjee, Suhnrita Chaudhuri, Anirban Ghosh, and Swapna Chaudhuri

269 miR-181a sensitizes a multidrug-resistant leukemia cell line K562/A02 to daunorubicin by targeting BCL-2

Hao Li, Lulu Hui, and Wenlin Xu

Acta Biochim Biophys Sin is indexed in Science Citation Index-ExpandedTM, PubMed, MEDLINE, Biochemistry & Biophysics Citation IndexTM, Biological Abstracts, Bioscience Citation IndexTM, Chemical Abstracts, Research AlertTM, etc. Acta Biochim Biophys Sin is supported by the grants from the Science Publishing Foundation of the Chinese Academy of Sciences, the National Natural Science Foundation of China, and WANG Ying-Lai Foundation.