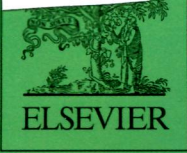
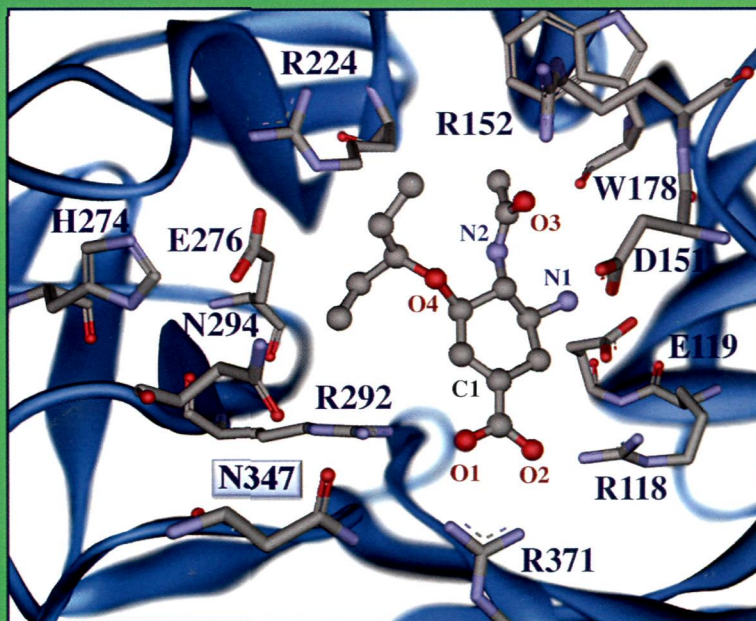


FLU
B60/bm



B B R C

Biochemical and Biophysical Research Communications





Volume 447, Issue 3, May 9, 2014

CONTENTS

Abstracted/Indexed in Biological Abstracts (BIOSIS), Chemical Abstracts, Current Contents/Life Sciences, EMBASE, *Index Medicus* (MEDLINE), Science Citation Index, and SCISEARCH. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®.

REGULAR ARTICLES

- Polyethyleneimine-coating enhances adenoviral transduction of mesenchymal stem cells
Xinglei Yao, Na Zhou, Li Wan, Xiaodong Su, Zhao Sun, Hiroyuki Mizuguchi, Yasuo Yoshioka, Shinsaku Nakagawa, Robert Chunhua Zhao, Jian-Qing Gao 383
- Long-term low-dose α -particle enhanced the potential of malignant transformation in human bronchial epithelial cells through MAPK/Akt pathway
Weili Liu, Linlin Xiao, Chen Dong, Mingyuan He, Yan Pan, Yuexia Xie, Wenzhi Tu, Jiamei Fu, Chunlin Shao 388
- Secreted type of amyloid precursor protein induces glial differentiation by stimulating the BMP/Smad signaling pathway
Young-Don Kwak, Brandon J. Hendrix, Kiminobu Sugaya 394
- 3D microenvironment of collagen hydrogel enhances the release of neurotrophic factors from human umbilical cord blood cells and stimulates the neurite outgrowth of human neural precursor cells
Jin Wan Park, Yun Dan Kang, Jong Soo Kim, Jae Ho Lee, Hae-Won Kim 400
- Mineralocorticoid receptor function in bone metabolism and its role in glucocorticoid-induced osteopenia
Toshio Fumoto, Kiyo-aki Ishii, Masako Ito, Stefan Berger, Günther Schütz, Kyoji Ikeda 407
- Reversible inactivation of CO dehydrogenase with thiol compounds
Oliver Kreß, Manuel Gnida, Astrid M. Pelzmann, Christian Marx, Wolfram Meyer-Klaucke, Ortwin Meyer 413
- SUMO-modification and elimination of the active DNA demethylation enzyme TDG in cultured human cells
Taishi Moriyama, Yuka Fujimitsu, Yushi Yoshikai, Takashi Sasano, Koji Yamada, Masataka Murakami, Takeshi Urano, Kaoru Sugasawa, Hisato Saitoh 419
- EGFR trans-activation mediates pleiotrophin-induced activation of Akt and Erk in cultured osteoblasts
Jian-bo Fan, Wei Liu, Kun Yuan, Xin-hui Zhu, Da-wei Xu, Jia-jia Chen, Zhi-ming Cui 425
- The E3 ligase RNF185 negatively regulates osteogenic differentiation by targeting Dvl2 for degradation
Ying Zhou, Hanqiao Shang, Chunli Zhang, Yan Liu, Yantao Zhao, Feng Shuang, Hongbin Zhong, Jianguang Tang, Shuxun Hou 431
- Protein phosphatase 1 dephosphorylates Orc2
Kyung Yong Lee, June Sung Bae, Gwang Su Kim, Deog Su Hwang 437

Continued

Cilostazol induces mitochondrial fatty acid β -oxidation in C2C12 myotubes	Bo Wang, Liping Zhu, Shaohua Sui, Caixia Sun, Haiping Jiang, Donghui Ren	441
MicroRNA-181b promotes ovarian cancer cell growth and invasion by targeting LATS2	Ying Xia, Yan Gao	446
Insights on the antitumor effects of kahweol on human breast cancer: Decreased survival and increased production of reactive oxygen species and cytotoxicity	Casimiro Cárdenas, Ana R. Quesada, Miguel Ángel Medina	452
S100A4 is frequently overexpressed in lung cancer cells and promotes cell growth and cell motility	Na Chen, Daisuke Sato, Yuriko Saiki, Makoto Sunamura, Shinichi Fukushige, Akira Horii	459
Significant decrease of ADP release rate underlies the potent activity of dimethylenastron to inhibit mitotic kinesin Eg5 and cancer cell proliferation	Linlin Sun, Xiaodong Sun, Songbo Xie, Haiyang Yu, Diansheng Zhong	465
Loss of Sprouty4 in T cells ameliorates experimental autoimmune encephalomyelitis in mice by negatively regulating IL-1 β receptor expression	Tomohiro Fukaya, Kazue Someya, Sana Hibino, Masahiro Okada, Humitsugu Yamane, Koji Taniguchi, Akihiko Yoshimura	471
Overexpression of miR172 suppresses the brassinosteroid signaling defects of <i>bak1</i> in Arabidopsis	Beg Hab Kim, Yerim Kwon, Byeong-ha Lee, Kyoung Hee Nam	479
Taurine attenuates amyloid β 1–42-induced mitochondrial dysfunction by activating of SIRT1 in SK-N-SH cells	Qinru Sun, Haitao Hu, Weixi Wang, Hui Jin, Gaifeng Feng, Ning Jia	485
Combined therapeutic potential of nuclear receptors with receptor tyrosine kinase inhibitors in lung cancer	Peninah M. Wairagu, Kwang Hwa Park, Jihye Kim, Jong-Whan Choi, Hyun-Won Kim, Byung-Il Yeh, Soon-Hee Jung, Suk-Joong Yong, Yangsik Jeong	490
A mutation in the heparin-binding site of noggin as a novel mechanism of proximal symphalangism and conductive hearing loss	Sawako Masuda, Kazunori Namba, Hideki Mutai, Satoko Usui, Yuko Miyanaga, Hiroki Kaneko, Tatsuo Matsunaga	496
<i>A de novo</i> germline mutation of <i>APC</i> for inheritable colon cancer in a Chinese family using multigene next generation sequencing	Yan Zhang, Guanting Lu, Qingtao Hu, Xueyan Wang, Chaohua Li, Yuegan Mao, Manhua Cui	503
RFP tags for labeling secretory pathway proteins	Liyang Han, Yanhua Zhao, Xi Zhang, Jianxin Peng, Pingyong Xu, Shuangyan Huan, Mingshu Zhang	508
Hydrodynamic delivery of IL-28B (IFN- λ 3) gene ameliorates lung inflammation induced by cigarette smoke exposure in mice	Chuan Qiu, Yan Li, Mi Zhou, Jianfa Liu, Min Li, Yan Wu, Damo Xu, Mingcai Li	513
LPS inhibits caspase 3-dependent apoptosis in RAW264.7 macrophages induced by the AMPK activator AICAR	Otto Quintus Russe, Christine V. Möser, Katharina L. Kynast, Tanya S. King, Katrin Olbrich, Sabine Grösch, Gerd Geisslinger, Ellen Niederberger	520
Flexible microRNA arm selection in rice	Wangxiong Hu, Tingzhang Wang, Erkui Yue, Shu Zheng, Jian-Hong Xu	526
Systemic identification of estrogen-regulated genes in breast cancer cells through cap analysis of gene expression mapping	Ryonosuke Yamaga, Kazuhiro Ikeda, Joost Boele, Kuniko Horie-Inoue, Ken-ichi Takayama, Tomohiko Urano, Kaoru Kaida, Piero Carninci, Jun Kawai, Yoshihide Hayashizaki, Yasuyoshi Ouchi, Michiel de Hoon, Satoshi Inoue	531
Novel nitric oxide generating compound glycidyl nitrate enhances the therapeutic efficacy of chemotherapy and radiotherapy	Shoucheng Ning, Mark Bednarski, Bryan Oronsky, Jan Scicinski, Susan J. Knox	537

Continued

Polyomavirus BK-encoded microRNA suppresses
autoregulation of viral replication

**Ya-Chung Tian, Yi-Jung Li, Hua-Chien Chen,
Hsin-Hsu Wu, Cheng-Hao Weng, Yung-Chang Chen,
Cheng-Chia Lee, Ming-Yang Chang, Hsiang-Hao Hsu,
Tzung-Hai Yen, Cheng-Chieh Hung, Chih-Wei Yang**

543

Differential interferon pathway gene expression patterns
in Rhabdomyosarcoma cells during Enterovirus 71 or
Coxsackievirus A16 infection

Wei Zhang, Lei Zhang, Zhiyong Wu, Po Tien

550

A full and complete Guide for Authors can be found at: <http://authors.elsevier.com/locate/ybbrc>.

BBRC has no page charges