

Minireviews

- Measuring and Reducing Off-Target Activities of Programmable Nucleases Including CRISPR-Cas9
Taeyoung Koo, Jungjoon Lee, and Jin-Soo Kim 475
- Role of Sphingolipids and Metabolizing Enzymes in Hematological Malignancies
Kazuyuki Kitatani, Makoto Taniguchi, and Toshiro Okazaki 482

Research Articles

- Structural Identification of a Non-Glycosylated Variant at Ser126 for O-Glycosylation Site from EPO BRP, Human Recombinant Erythropoietin by LC/MS Analysis
Jaehee Byeon, Yu-Ri Lim, Hyong-Ha Kim, and Jung-Keun Suh 496
- Suppression of *ASK β* (*AtSK32*), a Clade III *Arabidopsis GSK3*, Leads to the Pollen Defect during Late Pollen Development
Xiangshu Dong, Ill-Sup Nou, Hankuil Yi, and Yoonkang Hur 506
- PLGA-Loaded Gold-Nanoparticles Precipitated with Quercetin Downregulate HDAC-Akt Activities Controlling Proliferation and Activate p53-ROS Crosstalk to Induce Apoptosis in Hepatocarcinoma Cells
Kausik Bishayee, Anisur Rahman Khuda-Bukhsh, and Sung-Oh Huh 518
- The Histone Methyltransferase Inhibitor BIX01294 Inhibits HIF-1 α Stability and Angiogenesis
Su Young Oh, Ji Yoon Seok, Young Sun Choi, Sung Hee Lee, Jong-Sup Bae, and You Mie Lee 528
- Odorant Stimulation Promotes Survival of Rodent Olfactory Receptor Neurons via PI3K/Akt Activation and Bcl-2 Expression
So Yeun Kim, Seung-Jun Yoo, Gabriele V Ronnett, Eun-Kyoung Kim, and Cheil Moon 535
- Abnormal Astrocytosis in the Basal Ganglia Pathway of *Git1^{-/-}* Mice
Soo-Yeon Lim, and Won Mah 540
- Expression Analyses Revealed Thymic Stromal Co-Transporter/Slc46A2 Is in Stem Cell Populations and Is a Putative Tumor Suppressor
Ki Yeon Kim, Gwanghee Lee, Minsang Yoon, Eun Hye Cho, Chan-Sik Park, and Moon Gyo Kim 548
- miR-335 Targets SIAH2 and Confers Sensitivity to Anti-Cancer Drugs by Increasing the Expression of HDAC3
Youngmi Kim, Hyuna Kim, Deokbum Park, and Dooil Jeoung 562
- Different Functional and Structural Characteristics between ApoA-I and ApoA-4 in Lipid-Free and Reconstituted HDL State: ApoA-4 Showed Less Anti-Atherogenic Activity
Jeong-Ah Yoo, Eun-Young Lee, Ji Yoon Park, Seung-Taek Lee, Sihyun Ham, and Kyung-Hyun Cho 573
- Proper Activity of Histone H3 Lysine 4 (H3K4) Methyltransferase Is Required for Morphogenesis during Zebrafish Cardiogenesis
Jun-Dae Kim, Eunmi Kim, Soonil Koun, Hyung-Jin Ham, Myungchull Rhee, Myoung-Jin Kim, and Tae-Lin Huh 580