

Receptors and Signal Transduction

- A Novel Low-Molecular-Mass Dual-Specificity Phosphatase, LDP-2, with a Naturally Occurring Substitution That Affects Substrate Specificity K. Nakamura, K. Tanoue, T. Satoh, M. Takekawa, M. Watanabe, H. Shima, and K. Kikuchi 463

Cell Death

- Independence of Plasma Membrane Blebbing from Other Biochemical and Biological Characteristics of Apoptotic Cells A. Shiratsuchi, T. Mori, and Y. Nakanishi 381

- Resistance against Ricin-Induced Apoptosis in a Brefeldin A-Resistant Mutant Cell Line (BER-40) of Vero Cells T. Tamura, T. Oda, and T. Muramatsu 441

CONTENTS Rearranged According to Subject Categories, Vol. 132, No. 3

JB REVIEW

- Midkine and Pleiotrophin: Two Related Proteins Involved in Development, Survival, Inflammation and Tumorigenesis T. Muramatsu 359

BIOCHEMISTRY

Biochemistry General

- The Chaperone Activity of Protein Disulfide Isomerase Is Affected by Cyclophilin B and Cyclosporin A *In Vitro* T. Horibe, C. Yoshi, S. Okada, M. Tsukamoto, H. Nagai, Y. Hagiwara, Y. Tsujimoto, and M. Kikuchi 401

- Functional Analysis of Human P5, a Protein Disulfide Isomerase Homologue M. Kikuchi, E. Doi, I. Tsujimoto, T. Horibe, and Y. Tsujimoto 451

Glycobiology and Carbohydrate Biochemistry

- Phylogenetic Development of a Regulatory Gene for the Core 2 GlcNAc Transferase in *Mus musculus* M. Sekine, Y. Kikkawa, S. Takahama, K. Tsuda, H. Yonekawa, and A. Suzuki 387

Lipid Biochemistry

- Effects of Pravastatin Sodium on Mevalonate Metabolism in Common Marmosets A. Miyazaki, T. Koieyama, Y. Shimada, T. Kikuchi, H. Nezu, K. Ito, N. Kasanuki, and T. Koga 395

Enzymology

- Spectroscopic Analysis of Recombinant Rat Histidine Decarboxylase M.T. Olmo, F. Sánchez-Jiménez, M.A. Medina, and H. Hayashi 433

- Regulatory Effects of Divalent Metal Cations on Human Cytosolic Sulfotransferases F. Xu, M. Suiko, Y. Sakakibara, T.G. Pai, and M.-C. Liu 457

Biochemistry of Proteolysis

- Myonase Is Localized in Skeletal Muscle Myofibrils S. Hori, M. Yamada, S. Ohtani, C. Hori, T. Yokomizo, T. Webb, and T. Shimokawa 417

- Mutational Analysis of Residues in Two Consensus Motifs in the Active Sites of Cathepsin E J. Liu, T. Tsukuba, K. Okamoto, M. Ohishi, and K. Yamamoto 493

MOLECULAR BIOLOGY

Molecular Biology General

- Epitope Distribution of Randomly Established Monoclonal Antibodies against Human Type II DNA Topoisomerases A. Sakaguchi, M. Miyake, K. Kuroda, N. Nozaki, M. Tanaka, M. Hibino, Y. Fujii, S. Kato, and A. Kikuchi 409

Gene Expression

- Expression of the Oxidative Stress-Regulated Transcription Factor Bach2 in Differentiating Neuronal Cells H. Hoshino and K. Igarashi 427

- Downregulation of Urokinase-Type and Tissue-Type Plasminogen Activators in a Rabbit Model of Renal Ischemia/Reperfusion M. Sugiki, S. Omura, E. Yoshida, H. Itoh, H. Kataoka, and M. Maruyama 501

CELL

Biomembranes, Organelles, and Protein Sorting

- KIF1B β 2, Capable of Interacting with CHP, Is Localized to Synaptic Vesicles N. Nakamura, Y. Miyake, M. Matsushita, S. Tanaka, H. Inoue, and H. Kanazawa 483

Muscles, Cell Motility and Shape

- Analysis of the Conformational Change of Myosin during ATP Hydrolysis Using Fluorescence Resonance Energy Transfer Y. Mizukura and S. Maruta 471

Extracellular Matrices and Cell Adhesion Molecules

- Type I Collagen Inhibits Hydroxyl Radical-Induced Apoptosis Y. He, J. Chen, J. Ren, G. Wang, and G. Cai 373