

CONTENTS Vol. 152, No. 2

JB Commentary

- hDlk-1: a cell surface marker common to normal hepatic stem/progenitor cells and carcinomas H. Nishina 121

JB Review

- Featured article of the month.* Biology of the apelin-APJ axis in vascular formation H. Kidoya and N. Takakura 125

Regular Papers

- The *in silico* screening and X-ray structure analysis of the inhibitor complex of *Plasmodium falciparum* orotidine 5'-monophosphate decarboxylase Y. Takashima, E. Mizohata, S.R. Krungkrai, Y. Fukunishi, T. Kinoshita, T. Sakata, H. Matsumura, J. Krungkrai, T. Horii and T. Inoue 133
- Mechanism of inhibition of the prothrombinase complex by a covalent antithrombin-heparin complex I. Stevic, L.R. Berry and A.K.C. Chan 139
- Physical and functional interaction of the active zone protein CAST/ERC2 and the β -subunit of the voltage-dependent Ca^{2+} channel S. Kiyonaka, H. Nakajima, Y. Takada, Y. Hida, T. Yoshioka, A. Hagiwara, I. Kitajima, Y. Mori and T. Ohtsuka 149
- Moloney murine leukemia virus integrase and reverse transcriptase interact with PML proteins Y. Okino, Y. Inayoshi, Y. Kojima, S. Kidani, H. Kaneoka, A. Honkawa, H. Higuchi, K.-i. Nishijima, K. Miyake and S. Iijima 161
- An anticancer agent, pyrvinium pamoate inhibits the NADH-fumarate reductase system—a unique mitochondrial energy metabolism in tumour microenvironments E. Tomitsuka, K. Kita and H. Esumi 171
- Calcium-dependent regulation of the motor activity of recombinant full-length *Physarum* myosin Y. Zhang, H. Kawamichi, H. Tanaka, S. Yoshiyama, K. Kohama and A. Nakamura 185
- Effect of an MCM4 mutation that causes tumours in mouse on human MCM4/6/7 complex formation E. Watanabe, R. Ohara and Y. Ishimi 191
- A mechanistic study of the formation of hydroxyl radicals induced by horseradish peroxidase with NADH T. Miura 199
- ### Letter to the Editor
- Rice kinesin O12 is identical to kinesin OsKCH1 N. Umezu, N. Umeki, T. Mitsui, K. Kondo and S. Maruta 207