

生化学講座

Biochemistry

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原 著

- 1) Li F., Kato I., Kawaguchi H., Takasawa K., Hibino Y., and Hiraga K.: The galectin-3 gene promoter binding proteins in the liver of rats 48-h post-treatment with CCl₄. *Gene*, 367: 46-55, 2006.
- 2) Hibino Y., Usui T., Morita Y., Hirose N., Okazaki M., Sugano N., and Hiraga K.: Molecular properties and intracellular localization of rat liver nuclear scaffold protein P130. *Biochim. Biophys. Acta*, 1759: 195-207, 2006.
- 3) Myint K.M., Yamamoto Y., Doi T., Kato I., Harashima A., Yonekura H., Watanabe T., Shinohara H., Takeuchi M., Tsuneyama K., Hashimoto N., Asano M., Takasawa S., Okamoto H., and Yamamoto H.: RAGE control of diabetic nephropathy in a mouse model: effects of RAGE gene disruption and administration of low molecular weight heparin. *Diabetes*, 55: 2510-2522, 2006.
- 4) Nomoto K., Tsuneyama K., Aziz H.O.A., Takahashi H., Murai Y., Cui Z-G., Fujimoto M., Kato I., Hiraga K., Hsu D.K., Liu F-T. and Takano Y.: Disrupted galectin-3 causes non-alcoholic fatty liver disease in male mice. *J. Pathol.*, 210: 469-477, 2006.
- 5) Tada M., Shinohara Y., Kato I., Hiraga K., Aizawa T., Demura M., Mori Y., Shinoda H., Mizuguchi M., and Kawano K.: Preparation and observation of fresh-frozen sections of the green fluorescent protein transgenic mouse head. *Acta Histochem. Cytochem.*, 39: 31-34, 2006.

学会報告

- 1) Ichsan A. M. , 加藤一郎 , 尾矢剛志 , 笹原正清 , 高沢 伸 , 岡本 宏 , 早坂征次 , 高澤久美 , 平賀紘一 : 糖尿病網膜症類似病変を発症する常時活性化型 CaM キナーゼ 2 遺伝子導入マウスの解析 . 第 110 回日本眼科学会総会 , 2006 , 4 . 大阪 .
- 2) 加藤一郎 , 平賀紘一 , 尾矢剛志 , 細谷健一 , 高沢 伸 , 岡本 宏 : 変異型 CaM Kinase2 トランスジェニック糖尿病モデルマウスにおける網膜病変の発症とその集学的解析 . 第 49 回日本糖尿病学会年次学術集会 , 2006 , 5 , 東京 .
- 3) Hiraga K., Kawaguchi H., Kato I., Takasawa K., Hsu D. K., and Liu F-T.: Roles of galectin-3 induced in the chemically injured hepatocytes in rodent. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, 2006, 6, Kyoto.
- 4) Kato I., Takasawa K., Kawaguchi H., Mohafez O., Nakada S., and Hiraga K.: Embryonic lethality caused by targeted disruption of the mouse gene encoding a hydrogen carrier protein (H-protein), a component of the glycine cleavage system. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, 2006, 6, Kyoto.
- 5) Kawaguchi H., Mohafez O., Kato I., and Hiraga K.: The hierarchical regulation of the chicken glycine decarboxylase gene promoter by elements dispersed within a 4.2-kb 5'-flanking region. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, 2006, 6, Kyoto.
- 6) Shimada I., Matsui K., Kato, I., Hiraga K., Tabuchi Y., Takasaki I., Hata Y., Takizawa H.: Gene expression profiling in diffuse alveolar damage induced by hyperoxia exposure in mice. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, 2006, 6, Kyoto.
- 7) Nakada S., Kato I., Takasaki I., Tabuchi Y., Shimada Y., Hiraga K., Takasawa S., and Okamoto H.: Transgenic mice overexpressing mutant form of CaM kinase II (Thr286ASP) in pancreatic beta cells as a model for diabetic nephropathy. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, 2006, 6, Kyoto.
- 8) Mohafez O., Kawaguchi H., Kato I., and Hiraga K.: The mouse H-protein gene promoter: location and Cis-elements. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, 2006, 6, Kyoto.
- 9) Ichsan A.M., Kato I., Oya T., Tomi M., Takasawa S., Okamoto H., Sasahara M., Hayasaka S., Hosoya K., and Hiraga K.: A novel model for diabetic retinopathy. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th

FAOBMB Congress, 2006, 6, Kyoto.

- 10) Tsuneyama K., Nomoto K., Kato I., Hiraga K., Takano Y.: Disrupted galectin-3 causes nonalcoholic fatty liver disease in mice. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FABMB Congress, 2006, 6, Kyoto.
- 11) Yamamoto Y., Myint K. M., Harashima A., Takeuchi A., Yonekura H., Watanabe T., Kato I., Takasawa S., Okamoto H., Yamamoto H.: Roles of advanced glycation endproducts and their receptor in diabetes-induced kidney injury. 20th IUBMB International Congress of Biochemistry and Molecular Biology and 11th FABMB Congress, 2006, 6, Kyoto.
- 12) Shehata M. H., Kawaguchi H., Kato I. and Hiraga K.: Galectin-3 Gene Promoter Binding Proteins in the liver of mice treated with CCl₄. 日本分子生物学会 2006 フォーラム「分子生物学の未来」, 2006, 12, 名古屋 .

その他

- 1) 加藤一郎 : 新規の糖尿病性網膜症 / 腎症疾患モデルマウス . イノベーション・ジャパン 2006 大学見本市 , 2006, 9 , 東京 .
- 2) 平賀紘一 : 肝障害修復能判定用指標としてのガレクチン-3 . とやま産学官交流会 2006 , 2006 , 11 , 富山 .