

Title	Differential localization of sulfotransferase isoenzymes in rat liver
Sub Title	
Author	本間, 浩(Honma, Hiroshi) 中込, 泉(Nakagome, Izumi) 松井, 道夫(Matsui, Michio)
Publisher	共立薬科大学
Publication year	1992
Jtitle	共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.37 (1992. ) ,p.72- 72
JaLC DOI	
Abstract	
Notes	抄録
Genre	Technical Report
URL	<a href="https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000037-0072">https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000037-0072</a>

慶應義塾大学学術情報リポジトリ(KOARA)に掲載されているコンテンツの著作権は、それぞれの著作者、学会または出版社/発行者に帰属し、その権利は著作権法によって保護されています。引用にあたっては、著作権法を遵守してご利用ください。

The copyrights of content available on the KeiO Associated Repository of Academic resources (KOARA) belong to the respective authors, academic societies, or publishers/issuers, and these rights are protected by the Japanese Copyright Act. When quoting the content, please follow the Japanese copyright act.

## Differential Localization of Sulfotransferase Isoenzymes in Rat Liver\*

Hiroshi HOMMA, Izumi NAKAGOME and Michio MATSUI

本間 浩, 中込 泉, 松井道夫

Liver sections prepared from male and female rats were immunohistochemically stained with the antisera against phenol sulfotransferase<sub>G</sub> (P-ST<sub>G</sub>), an isoenzyme of phenol ST as well as androsterone-sulfating ST (AD-ST), an isoform of hydroxysteroid ST. Localization of these isoenzymes in liver is sex-dependent and is markedly different between the two. P-ST<sub>G</sub> is preferentially localized in the hepatocytes proximal to the central vein in females, whereas it is present in all the hepatocytes throughout the liver in males. On the other hand, AD-ST is evident in the hepatocytes proximal to the portal triad in males, while in females it is synthesized and localized in all the hepatocytes. The polarized sex-related localization of these ST isoenzymes appears to correlate with differential hormonal regulation of the enzymes.

---

\* 本報告は *Biochem. Biophys. Res. Commun.*, 183, 872—878 (1992) に発表.