Accepted Manuscript

Endoplasmic reticulum stress regulates hepatic bile acid metabolism in mice

Anne S. Henkel, Brian LeCuyer, Shantel Olivares, Richard M. Green

PII: S2352-345X(16)30133-3
DOI: 10.1016/j.jcmgh.2016.11.006
Reference: JCMGH 182

To appear in: Cellular and Molecular Gastroenterology and Hepatology
Accepted Date: 1 November 2016

Please cite this article as: Henkel AS, LeCuyer B, Olivares S, Green RM, Endoplasmic reticulum stress regulates hepatic bile acid metabolism in mice, Cellular and Molecular Gastroenterology and Hepatology (2017), doi: 10.1016/j.jcmgh.2016.11.006.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.
Endoplasmic reticulum stress regulates hepatic bile acid metabolism in mice

Short title: ER stress suppresses bile acid synthesis

Anne S. Henkel, Brian LeCuyer, Shantel Olivares, and Richard M. Green

Division of Gastroenterology and Hepatology
Feinberg School of Medicine, Northwestern University, Chicago, IL

This publication was supported by NIH/NIDDK grants R01DK093807, K08DK095992, an AGA Research Scholar Award, the George Lockerbie Liver Cancer Foundation, the Max Goldenberg Foundation, and NIH/NCATS CTSA Grant Number UL1TR000135. Its contents are solely the responsibility of the authors and do not necessarily represent the official views of the NIH.

Abbreviations: ABC, ATP binding cassette; BSEP, bile salt export pump; C4, 7α-hydroxy-4-cholesten-3-one; CHOP, C/EBP homologous protein; CYP27A1, sterol 27-hydroxylase; CYP7A1, cholesterol 7α-hydroxylase; CYP7B1, oxysterol 7α-hydroxylase; ER, endoplasmic reticulum; FGF, fibroblast growth factor; FXR, farnesoid X receptor; Grp78/BiP, glucose-regulated protein 78kDa; JNK, cJun-N-terminal kinase; MRP, multidrug resistance protein; NTCP, sodium/taurocholate cotransporter; OATP, organic anion transport protein; TCA, taurocholic acid; TCDCA, taurochenodeoxycholic acid; TMCA, tauromuricholic acid; TNF, tumor necrosis factor; UPR, unfolded protein response; XBP1, X-box binding protein 1

Please address correspondence to:
Anne S. Henkel, MD
320 E. Superior St, Tarry 15-705, Chicago, IL, 60611
Fax: 312-908-9032. Phone: 312-503-4667. Email: a-henkel2@northwestern.edu
دریافت فوری
متن کامل مقاله

امکان دانلود نسخه تمام متن مقالات انگلیسی
امکان دانلود نسخه ترجمه شده مقالات
پذیرش سفارش ترجمه تخصصی
امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
امکان دانلود رایگان ۲ صفحه اول هر مقاله
امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
دانلود فوری مقاله پس از پرداخت آنلاین
پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات