Accepted Manuscript

Autophagy is Required for Activation of Pancreatic Stellate Cells, Associated With Pancreatic Cancer Progression and Promotes Growth of Pancreatic Tumors in Mice

Sho Endo, Kohei Nakata, Kenoki Ohuchida, Shin Takesue, Hiromichi Nakayama, Toshiya Abe, Kazuhiro Koikawa, Takashi Okumura, Masafumi Sada, Kohei Horioka, Biao Zheng, Yusuke Mizuuchi, Chika Iwamoto, Masaharu Murata, Taiki Moriyama, Yoshihiro Miyasaka, Takao Ohtsuka, Kazuhiro Mizumoto, Yoshinao Oda, Makoto Hashizume, Masafumi Nakamura

PII: S0016-5085(17)30050-1 DOI: 10.1053/j.gastro.2017.01.010

Reference: YGAST 60923

To appear in: Gastroenterology Accepted Date: 11 January 2017

Please cite this article as: Endo S, Nakata K, Ohuchida K, Takesue S, Nakayama H, Abe T, Koikawa K, Okumura T, Sada M, Horioka K, Zheng B, Mizuuchi Y, Iwamoto C, Murata M, Moriyama T, Miyasaka Y, Ohtsuka T, Mizumoto K, Oda Y, Hashizume M, Nakamura M, Autophagy is Required for Activation of Pancreatic Stellate Cells, Associated With Pancreatic Cancer Progression and Promotes Growth of Pancreatic Tumors in Mice, *Gastroenterology* (2017), doi: 10.1053/j.gastro.2017.01.010.

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.



ACCEPTED MANUSCRIPT

Title: Autophagy is Required for Activation of Pancreatic Stellate Cells,
Associated With Pancreatic Cancer Progression and Promotes Growth of
Pancreatic Tumors in Mice

Short title: Autophagy in pancreatic stellate cell

Authors: Sho Endo¹, Kohei Nakata¹, Kenoki Ohuchida^{1,2}, Shin Takesue¹, Hiromichi Nakayama¹, Toshiya Abe¹, Kazuhiro Koikawa¹, Takashi Okumura¹, Masafumi Sada¹, Kohei Horioka¹, Biao Zheng¹, Yusuke Mizuuchi^{1,3}, Chika Iwamoto², Masaharu Murata², Taiki Moriyama¹, Yoshihiro Miyasaka¹, Takao Ohtsuka¹, Kazuhiro Mizumoto¹, Yoshinao Oda³, Makoto Hashizume², Masafumi Nakamura¹

Affiliations:

¹Department of Surgery and Oncology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

²Department of Advanced Medical Initiatives, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

³Department of Anatomical Pathology, Graduate School of Medical Sciences, Kyushu University, Fukuoka, Japan.

Grant support:

This work was supported in part by JSPS Grant-in-Aid for Scientific Research (B) and (C), and Scientific Research on Innovative Areas (Grant Number: 24659615, 25293285, 25462117, 25713050, 26108010, 26293305, 26670607, 15H04933, 15K10185, and

Download English Version:

https://daneshyari.com/en/article/5658562

Download Persian Version:

https://daneshyari.com/article/5658562

<u>Daneshyari.com</u>