## Accepted Manuscript

Angiotensin II promotes pulmonary metastasis of melanoma through the activation of adhesion molecules in vascular endothelial cells

Shin Ishikane, Hiroshi Hosoda, Takashi Nojiri, Takeshi Tokudome, Tetsuya Mizutani, Koichi Miura, Yoshiharu Akitake, Toru Kimura, Yoshitaka Imamichi, Shinya Kawabe, Yumiko Toyohira, Nobuyuki Yanagihara, Fumi Takahashi—Yanaga, Mikiya Miyazato, Kaoru Miyamoto, Kenji Kangawa

PII: S0006-2952(18)30155-2

DOI: https://doi.org/10.1016/j.bcp.2018.04.012

Reference: BCP 13121

To appear in: Biochemical Pharmacology

Received Date: 23 January 2018 Accepted Date: 12 April 2018



Please cite this article as: S. Ishikane, H. Hosoda, T. Nojiri, T. Tokudome, T. Mizutani, K. Miura, Y. Akitake, T. Kimura, Y. Imamichi, S. Kawabe, Y. Toyohira, N. Yanagihara, F. Takahashi–Yanaga, M. Miyazato, K. Miyamoto, K. Kangawa, Angiotensin II promotes pulmonary metastasis of melanoma through the activation of adhesion molecules in vascular endothelial cells, *Biochemical Pharmacology* (2018), doi: https://doi.org/10.1016/j.bcp. 2018.04.012

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**

Angiotensin II promotes pulmonary metastasis of melanoma through the activation of adhesion molecules in vascular endothelial cells

Angiotensin II promotes pulmonary metastasis through the vascular endothelial cell adhesion pathway in melanoma cells

Shin Ishikane <sup>1,2,3</sup>, Hiroshi Hosoda <sup>4</sup>, Takashi Nojiri <sup>2</sup>, Takeshi Tokudome <sup>2</sup>, Tetsuya Mizutani <sup>3,5</sup>, Koichi Miura <sup>4</sup>, Yoshiharu Akitake <sup>2</sup>, Toru Kimura <sup>2</sup>, Yoshitaka Imamichi <sup>3,5</sup>, Shinya Kawabe <sup>3,5</sup>, Yumiko Toyohira <sup>1</sup>, Nobuyuki Yanagihara <sup>1</sup>, Fumi Takahashi–Yanaga <sup>1</sup>, Mikiya Miyazato <sup>2</sup>, Kaoru Miyamoto <sup>3,5</sup> and Kenji Kangawa <sup>6</sup>

<sup>1</sup>Department of Pharmacology, School of Medicine, University of Occupational and Environmental Health, Japan, Fukuoka, Japan.

<sup>2</sup>Department of Biochemistry, National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan.

<sup>3</sup>Department of Biochemistry, Faculty of Medical Sciences, University of Fukui, Fukui, Japan.

<sup>4</sup>Department of Regenerative Medicine and Tissue Engineering, National Cerebral and Cardiovascular Center Research Institute, Osaka, Japan.

## Download English Version:

## https://daneshyari.com/en/article/8523864

Download Persian Version:

https://daneshyari.com/article/8523864

<u>Daneshyari.com</u>