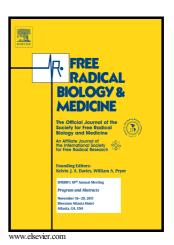
Author's Accepted Manuscript

AMPK α 2 deficiency exacerbates long-term PM $_{2.5}$ exposure-induced lung injury and cardiac dysfunction

Hongyun Wang, Xiyue Shen, Guoxiong Tian, Xili Shi, Wei Huang, Yongguang Wu, Lei Sun, Can Peng, Shasha Liu, Ying Huang, Xiaoyu Chen, Fang Zhang, Yingjie Chen, Wenjun Ding, Zhongbing Lu



PII: S0891-5849(18)30825-6

DOI: https://doi.org/10.1016/j.freeradbiomed.2018.05.008

Reference: FRB13759

To appear in: Free Radical Biology and Medicine

Received date: 16 January 2018 Revised date: 7 May 2018 Accepted date: 8 May 2018

Cite this article as: Hongyun Wang, Xiyue Shen, Guoxiong Tian, Xili Shi, Wei Huang, Yongguang Wu, Lei Sun, Can Peng, Shasha Liu, Ying Huang, Xiaoyu Chen, Fang Zhang, Yingjie Chen, Wenjun Ding and Zhongbing Lu, AMPKα2 deficiency exacerbates long-term PM_{2.5} exposure-induced lung injury and cardiac dysfunction, *Free Radical Biology and Medicine*, https://doi.org/10.1016/j.freeradbiomed.2018.05.008

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 galley proof before it is published in its final citable 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

AMPKα2 deficiency exacerbates long-term PM_{2.5} exposure-induced lung injury and cardiac dysfunction

Hongyun Wang¹, Xiyue Shen¹, Guoxiong Tian¹, Xili Shi¹, Wei Huang², Yongguang Wu¹, Lei Sun³, Can Peng³, Shasha Liu¹, Ying Huang¹, Xiaoyu Chen¹, Fang Zhang¹, Yingjie Chen⁴, Wenjun Ding^{1*}, Zhongbing Lu^{1*}

¹ College of Life Science, University of Chinese Academy of Sciences, Beijing, 100049, China.

² Institute for Environmental Reference Materials of Ministry of Environmental Protection, Beijing, 100029, China.

³ Institute of Biophysics, Chinese Academy of Sciences, Beijing, 100101, China.

⁴ Cardiovascular Division and Lillehei Heart Institute; University of Minnesota, Minneapolis, MN 55455, USA

Running Title: AMPKα2 protects against PM_{2.5}-induced toxicity

* Co-corresponding authors:

Wenjun Ding, PhD

E-mail: dingwj@ucas.ac.cn

Zhongbing Lu, PhD

E-mail: luzhongbing@ucas.ac.cn

College of Life Science, University of Chinese Academy of Sciences

19A Yuquanlu, Beijing, 100049, China

Fax: 86-10-69672630; Tel: 86-10-69672630

Download English Version:

https://daneshyari.com/en/article/8265475

Download Persian Version:

https://daneshyari.com/article/8265475

<u>Daneshyari.com</u>