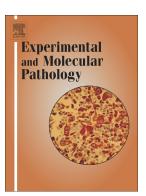
## Accepted Manuscript

Ginsenoside Rb1 protects against spinal cord ischemiareperfusion injury in rats by downregulating the Bax/Bcl-2 ratio and caspase-3 and p-Ask-1 levels



Dongxu Zhao, Minglei Zhang, Hongping Yuan, Chunyang Meng, Boyin Zhang, Han Wu

S0014-4800(18)30162-X
doi:10.1016/j.yexmp.2018.09.001
YEXMP 4173
Experimental and Molecular Pathology
13 April 2018
1 August 2018
1 September 2018

Please cite this article as: Dongxu Zhao, Minglei Zhang, Hongping Yuan, Chunyang Meng, Boyin Zhang, Han Wu, Ginsenoside Rb1 protects against spinal cord ischemiareperfusion injury in rats by downregulating the Bax/Bcl-2 ratio and caspase-3 and p-Ask-1 levels. Yexmp (2018), doi:10.1016/j.yexmp.2018.09.001

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

Ginsenoside Rb1 protects against spinal cord ischemia-reperfusion injury in rats by downregulating the Bax/Bcl-2 ratio and caspase-3 and p-Ask-1 levels

Running Title: Ginsenoside Rb1 protects against SCII

Dongxu Zhao<sup>1#</sup>, MD; Minglei Zhang<sup>1</sup>, MD; Hongping Yuan<sup>2#</sup>, MD; Chunyang Meng<sup>1</sup>,

MD; Boyin Zhang<sup>1</sup>, MD; Han Wu<sup>1\*</sup>, MD

<sup>1</sup>Department of Orthopedic, China-Japan Union Hospital, Jilin University, No.126

Xiantai Street, Changchun, China, 130033

<sup>2</sup>Department of Nephrology, The fourth hospital of Jilin University, No.2643 Dongfeng Avenue, Changchun, Jilin Province, China, 130033

#Co-first authors: Dongxu Zhao and Hongping Yuan

\*Corresponding author: Han Wu

Tel: +86-15304466288

E-mail: hanwu2016vip@163.com

Address: Department of orthopedic, China-Japan Union Hospital, Jilin University, No.126 Xiantai Street, Changchun, China, 130033

## Abbreviations

Spinal cord ischemia-reperfusion injury (SCII); Sprague-Dawley (SD); Basso, Beattie, Bresnahan (BBB); Phosphorylated Ask-1 (p-Ask-1); 3,3'-Diaminobenzidine (DAB); Standard deviation (SD) Download English Version:

## https://daneshyari.com/en/article/11022680

Download Persian Version:

https://daneshyari.com/article/11022680

Daneshyari.com