

Accepted Manuscript

Title: HMGB1/RAGE axis promotes autophagy and protects keratinocytes from ultraviolet radiation-induced cell death

Author: Kuanhou Mou Wei Liu Dan Han Pan Li

PII: S0923-1811(16)31064-7
DOI: <http://dx.doi.org/doi:10.1016/j.jdermsci.2016.12.011>
Reference: DESC 3108

To appear in: *Journal of Dermatological Science*

Received date: 26-7-2016
Revised date: 6-11-2016
Accepted date: 14-12-2016

Please cite this article as: Mou Kuanhou, Liu Wei, Han Dan, Li Pan. HMGB1/RAGE axis promotes autophagy and protects keratinocytes from ultraviolet radiation-induced cell death. *Journal of Dermatological Science* <http://dx.doi.org/10.1016/j.jdermsci.2016.12.011>

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.



HMGB1/RAGE axis promotes autophagy and protects keratinocytes from ultraviolet radiation-induced cell death

Kuanhou Mou ^a, Wei Liu ^a, Dan Han^a, Pan Li ^{b,*}

^aDepartment of Dermatology, the Frist Affiliated Hospital of Xi'an Jiaotong University, 277 West Yanta Road, Xi'an, Shaanxi 710061, People's Republic of China

^bCenter for Translational Medicine, the Frist Affiliated Hospital of Xi'an Jiaotong University, 277 West Yanta Road, Xi'an, Shaanxi 710061, People's Republic of China

* Corresponding author: Dr. Pan Li

E-mail: imlipan@163.com

Tel: +86-2985323658 Fax: +86-2985323658

Text word count: 4650; Number of references: 28; Tables:0; Figures: 8

Highlights

- HMGB1 was transferred from nucleus to cytoplasm after UV irradiation in keratinocyte.
- HMGB1 Knockdown by shRNA limited UV-induced autophagy and led to apoptosis of HaCaT.
- *Autocrine HMGB1 modulated HaCaT autophagy via a RAGE/HMGB1/Erk1/2-dependent pathway.

Download English Version:

<https://daneshyari.com/en/article/5649064>

Download Persian Version:

<https://daneshyari.com/article/5649064>

[Daneshyari.com](https://daneshyari.com)