

Acetylation of TIP60 at K104 is essential for metabolic stress-induced apoptosis in cells of hepatocellular cancer

Xiao Fang, Guojun Lu, Kyungsoo Ha, Han Lin, Ye Du, Qihong Zuo, Yi Fu, Chaoxia Zou, Pumin Zhang



PII: S0014-4827(17)30631-6  
DOI: <http://dx.doi.org/10.1016/j.yexcr.2017.11.028>  
Reference: YEXCR10828

To appear in: *Experimental Cell Research*

Received date: 28 August 2017  
Revised date: 3 November 2017  
Accepted date: 21 November 2017

Cite this article as: Xiao Fang, Guojun Lu, Kyungsoo Ha, Han Lin, Ye Du Qihong Zuo, Yi Fu, Chaoxia Zou and Pumin Zhang, Acetylation of TIP60 at K104 is essential for metabolic stress-induced apoptosis in cells of hepatocellular cancer, *Experimental Cell Research*, <http://dx.doi.org/10.1016/j.yexcr.2017.11.028>

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.

**Acetylation of TIP60 at K104 is essential for metabolic stress-induced apoptosis in cells of  
hepatocellular cancer**

Xiao Fang<sup>a, b, #</sup>, Guojun Lu<sup>b, #</sup>, Kyungsoo Ha<sup>b</sup>, Han Lin<sup>b</sup>, Ye Du<sup>b</sup>, Qihong Zuo<sup>b</sup>, Yi Fu<sup>b, d</sup>, Chaoxia Zou<sup>b</sup>,  
Pumin Zhang<sup>b, c</sup>

From the <sup>a</sup>Clinical Medical College, Yangzhou University, Yangzhou, Jiangsu Province, China 225002, the <sup>b</sup>Department of Molecular Physiology and Biophysics, Baylor College of Medicine, Houston, TX 77030, the <sup>c</sup>Beijing Proteome Research Center, Beijing, China 102200, the <sup>d</sup>Ruihua Affiliated Hospital of Soochow University, Suzhou, China 215100 and <sup>e</sup>Department of Biochemistry and Molecular Biology, Harbin Medical University, Harbin, China 150081

<sup>#</sup>Both authors contributed equally to this work.

To whom correspondence may be addressed: Dr. Xiao Fang, Clinical Medical College, Yangzhou University, Yangzhou, Jiangsu Province, China 225001, Tel: +86-0514-87373693; Fax: +86-0514-87373037; E-mail: fangxiao@yzu.edu.cn

1

**Abbreviations**

HAT	histone acetyltransferase
PTM	post translational modification
ROS	reactive oxygen species
PARP	poly ADP-ribose polymerase
Dox	doxycycline
TRRAP	transformation/transcription domain associated protein
p400	E1A binding protein p400
RUVBL1	RuvB like AAA ATPase 1)
DMAP1	DNA methyltransferase 1-associated protein 1
CHX	cycloheximide
DDR	DNA damage response

Download English Version:

<https://daneshyari.com/en/article/8451517>

Download Persian Version:

<https://daneshyari.com/article/8451517>

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