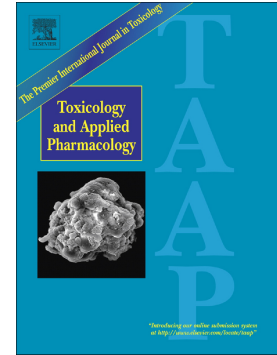


Accepted Manuscript

Binge ethanol exposure induces endoplasmic reticulum stress in the brain of adult mice

Yongchao Wang, Xin Wang, Hui Li, Mei Xu, Jacqueline Frank, Jia Luo



PII: S0041-008X(18)30373-9
DOI: [doi:10.1016/j.taap.2018.08.006](https://doi.org/10.1016/j.taap.2018.08.006)
Reference: YTAAP 14361
To appear in: *Toxicology and Applied Pharmacology*
Received date: 19 April 2018
Revised date: 2 August 2018
Accepted date: 11 August 2018

Please cite this article as: Yongchao Wang, Xin Wang, Hui Li, Mei Xu, Jacqueline Frank, Jia Luo, Binge ethanol exposure induces endoplasmic reticulum stress in the brain of adult mice. *Ytaap* (2018), doi:[10.1016/j.taap.2018.08.006](https://doi.org/10.1016/j.taap.2018.08.006)

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.

**Binge Ethanol Exposure Induces Endoplasmic Reticulum Stress in the
Brain of Adult Mice**

Yongchao Wang¹, Xin Wang^{1,2}, Hui Li¹, Mei Xu¹, Jacqueline Frank¹, Jia Luo^{1,*}

¹Department of Pharmacology and Nutritional Sciences, ²Center for Health Services
Research, University of Kentucky College of Medicine, Lexington, KY 40536

*Correspondence author: Jia Luo, Department of Pharmacology and Nutritional
Sciences, University of Kentucky College of Medicine, 132 Health Sciences Research
Building, 1095 Veterans Drive, Lexington, Kentucky 40536. Email: jjaluo888@uky.edu;
Tel: 859-323-3036; Fax: 859-257-0199.

Abbreviation

ATF6: Activating transcription factor 6

IRE1 α : Inositol-requiring kinase

PERK: Protein kinase RNA-like endoplasmic reticulum kinase

CHOP: CCAAT/-enhancer-binding protein homologous protein

eIF2 α : Eukaryotic initiation factor 2 α

XBP1s: X-box binding protein-1s

mTOR: Mammalian target of rapamycin

p70S6K: Ribosomal protein S6 Kinase beta-1

4EBP1: Eukaryotic translation initiation factor 4E-binding protein 1

DAPI: 4', 6-diamidino-2-phenylindole

4-PBA: Sodium phenylbutyrate

DNPH: 2,4-dinitrophenylhydrazine

HNE: 4-Hydroxynonenal

Download English Version:

<https://daneshyari.com/en/article/8538057>

Download Persian Version:

<https://daneshyari.com/article/8538057>

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