Accepted Manuscript

Vitamin D supplementation inhibits oxidative stress and upregulate SIRT1/AMPK/ GLUT4 cascade in high glucose-treated 3T3L1 adipocytes and in adipose tissue of high fat diet-fed diabetic mice

Prasenjit Manna, Arunkumar E. Achari, Sushil K. Jain

PII: S0003-9861(16)30417-9

DOI: 10.1016/j.abb.2017.01.002

Reference: YABBI 7422

To appear in: Archives of Biochemistry and Biophysics

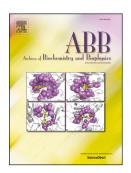
Received Date: 17 October 2016

Revised Date: 14 December 2016

Accepted Date: 3 January 2017

Please cite this article as: P. Manna, A.E. Achari, S.K. Jain, Vitamin D supplementation inhibits oxidative stress and upregulate SIRT1/AMPK/GLUT4 cascade in high glucose-treated 3T3L1 adipocytes and in adipose tissue of high fat diet-fed diabetic mice, *Archives of Biochemistry and Biophysics* (2017), doi: 10.1016/j.abb.2017.01.002.

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

VITAMIN D SUPPLEMENTATION INHIBITS OXIDATIVE STRESS AND UPREGULATE SIRT1/AMPK/GLUT4 CASCADE IN HIGH GLUCOSE-TREATED 3T3L1 ADIPOCYTES AND IN ADIPOSE TISSUE OF HIGH FAT DIET-FED DIABETIC MICE

Prasenjit Manna, Arunkumar E. Achari, Sushil K. Jain

Department of Pediatrics

Louisiana State University Health Sciences Center

Shreveport, LA 71103

Running Head: Vitamin D, oxidative stress, and glucose metabolism

Address for Correspondence: Dr. Sushil K. Jain, Department of Pediatrics, LSU Health Sciences Center, 1501 Kings Highway, Shreveport, LA 71103,TEL: 1-318-675-6086, FAX: 1-318-675-6059, E-MAIL: sjain@lsuhsc.edu

Download English Version:

https://daneshyari.com/en/article/5504428

Download Persian Version:

https://daneshyari.com/article/5504428

<u>Daneshyari.com</u>