Accepted Manuscript

Piperine, an alkaloid inhibiting the super-relaxed state of myosin, binds to the myosin regulatory light chain

Dmitri Tolkatchev, Daniel Elnatan, Leonardo Nogara, Thu Ly, Nariman Naber, Kenny Haak, Ryan Meech, Roger Cooke, Alla S. Kostyukova

ak, Ryan Meech, Roger Cooke, Alla S. Kostyukova

PII: S0003-9861(18)30508-3

DOI: 10.1016/j.abb.2018.09.027

Reference: YABBI 7827

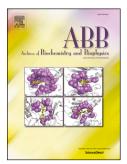
To appear in: Archives of Biochemistry and Biophysics

Received Date: 29 June 2018

Revised Date: 26 September 2018 Accepted Date: 30 September 2018

Please cite this article as: D. Tolkatchev, D. Elnatan, L. Nogara, T. Ly, N. Naber, K. Haak, R. Meech, R. Cooke, A.S. Kostyukova, Piperine, an alkaloid inhibiting the super-relaxed state of myosin, binds to the myosin regulatory light chain, *Archives of Biochemistry and Biophysics* (2018), doi: https://doi.org/10.1016/j.abb.2018.09.027.

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

Piperine, an alkaloid inhibiting the super-relaxed state of myosin, binds to the myosin regulatory light chain.

Dmitri Tolkatchev¹, Daniel Elnatan^{2&}, Leonardo Nogara^{2,3&}, Thu Ly¹, Nariman Naber², Kenny Haak¹, Ryan Meech¹, Roger Cooke^{2,*}, Alla S. Kostyukova^{1,*}

¹Voiland School of Chemical Engineering & Bioengineering, Washington State University, Pullman, WA 99164-6515, USA; ²Department of Biochemistry/Biophysics, Univ. California, San Francisco, CA 94143, USA; ³Dipartimento di Scienze Biomediche, University of Padua, 35122 Padua PD, Italy.

*Corresponding authors

Address correspondence to:

Alla S. Kostyukova

Voiland School of Chemical Engineering and Bioengineering,

Washington State University, Wegner Hall, 340D

Pullman, WA 99164-6515, USA

Tel. 509-335-1888

[&]amp;Equal contributions

Download English Version:

https://daneshyari.com/en/article/11019592

Download Persian Version:

https://daneshyari.com/article/11019592

<u>Daneshyari.com</u>