

Accepted Manuscript

Ingestion of soy protein isolate attenuates eccentric contraction-induced force depression and muscle proteolysis via inhibition of calpain-1 activation in rat fast-twitch skeletal muscle

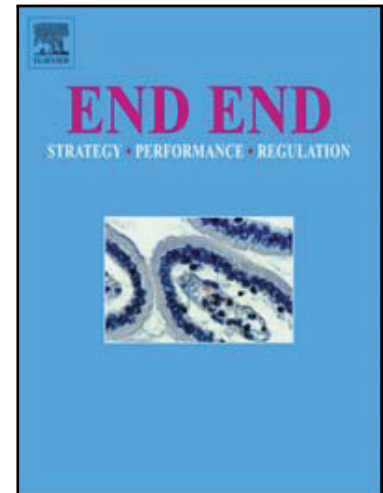
Keita Kanzaki Ph.D. , Daiki Watanabe Ph.D. ,
Chihiro Aibara B.Sc. , Yuki Kawakami Ph.D. ,
Takashi Yamada Ph.D. , Yoshitaka Takahashi Ph.D. ,
Masanobu Wada Ph.D.

PII: S0899-9007(18)30624-5
DOI: [10.1016/j.nut.2018.06.025](https://doi.org/10.1016/j.nut.2018.06.025)
Reference: NUT 10271

To appear in: *The End-to-end Journal*

Received date: 5 March 2018
Revised date: 13 June 2018
Accepted date: 24 June 2018

Please cite this article as: Keita Kanzaki Ph.D. , Daiki Watanabe Ph.D. , Chihiro Aibara B.Sc. , Yuki Kawakami Ph.D. , Takashi Yamada Ph.D. , Yoshitaka Takahashi Ph.D. , Masanobu Wada Ph.D. , Ingestion of soy protein isolate attenuates eccentric contraction-induced force depression and muscle proteolysis via inhibition of calpain-1 activation in rat fast-twitch skeletal muscle, *The End-to-end Journal* (2018), doi: [10.1016/j.nut.2018.06.025](https://doi.org/10.1016/j.nut.2018.06.025)



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.

Highlights:

- Force deficit with eccentric contraction (ECC) results from muscle damage.
- Ingestion of soy protein isolate before ECC attenuated ECC-induced force deficit.
- This was due to inhibition of muscle proteolysis by decreasing calpain activation.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/11018579>

Download Persian Version:

<https://daneshyari.com/article/11018579>

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