

Accepted Manuscript

Villin-1 and Gelsolin Regulate Changes in Actin Dynamics That Affect Cell Survival Signaling Pathways and Intestinal Inflammation

Swati Roy, Amin Esmailniakooshkghazi, Srinivas Patnaik, Yaohong Wang, Sudeep P. George, Afzal Ahrorov, Jason K. Hou, Allan J. Herron, Hiromi Sesaki, Seema Khurana

PII: S0016-5085(17)36721-5
DOI: [10.1053/j.gastro.2017.12.016](https://doi.org/10.1053/j.gastro.2017.12.016)
Reference: YGAST 61592

To appear in: *Gastroenterology*
Accepted Date: 14 December 2017

Please cite this article as: Roy S, Esmailniakooshkghazi A, Patnaik S, Wang Y, George SP, Ahrorov A, Hou JK, Herron AJ, Sesaki H, Khurana S, Villin-1 and Gelsolin Regulate Changes in Actin Dynamics That Affect Cell Survival Signaling Pathways and Intestinal Inflammation, *Gastroenterology* (2018), doi: 10.1053/j.gastro.2017.12.016.

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.



Villin-1 and Gelsolin Regulate Changes in Actin Dynamics That Affect Cell Survival Signaling Pathways and Intestinal Inflammation

Swati Roy¹, Amin Esmailniakooshkghazi^{1#}, Srinivas Patnaik^{2#}, Yaohong Wang³, Sudeep P. George¹, Afzal Ahrorov¹, Jason K. Hou⁴, Allan J. Herron⁵, Hiromi Sesaki⁷, Seema Khurana^{1,6,*}

¹Department of Biology and Biochemistry, University of Houston, Houston TX 77204, USA.

²School of Biotechnology Campus XI, KiiT University, Bhubaneswar, Odisha 751024, India.

³Present address: Department of Pathology and Laboratory Medicine, University of Tennessee Health Science Center, Memphis TN 38163, USA.

⁴Section of Gastroenterology and Hepatology, Department of Medicine, Baylor College of Medicine, Houston TX 77030, USA.

⁵Department of Pathology and Immunology, Baylor College of Medicine, Houston TX 77030, USA.

⁶Department of Allied Health, Baylor College of Medicine, Houston TX 77030, USA.

⁷Department of Cell Biology, Johns Hopkins University School of Medicine, Baltimore MD 21205, USA.

[#]*Both authors contributed equally*

^{*}**Corresponding author:** Seema Khurana, Department of Biology and Biochemistry, 369 Science and Research Building SR2, Room 421E, Houston TX 77204-5001. Tel: 713-743-2705; Fax: 713-743-2636; e-mail: skhurana@uh.edu

Author Contributions

S.R., S.P., Y.W., A.E., S.P.G., S.K. conceived the experiments and analyzed the data. S.R., S.P., Y.W., A.E., S.P.G., A.A. conducted the experiments. J.K.H. provided human CD tissue samples and provided intellectual input. A.J.H. analyzed the histology data. H.S. provided the Dnm11 null MEFs. All authors reviewed the manuscript.

There is no conflict of interest to declare.

Download English Version:

<https://daneshyari.com/en/article/8726757>

Download Persian Version:

<https://daneshyari.com/article/8726757>

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