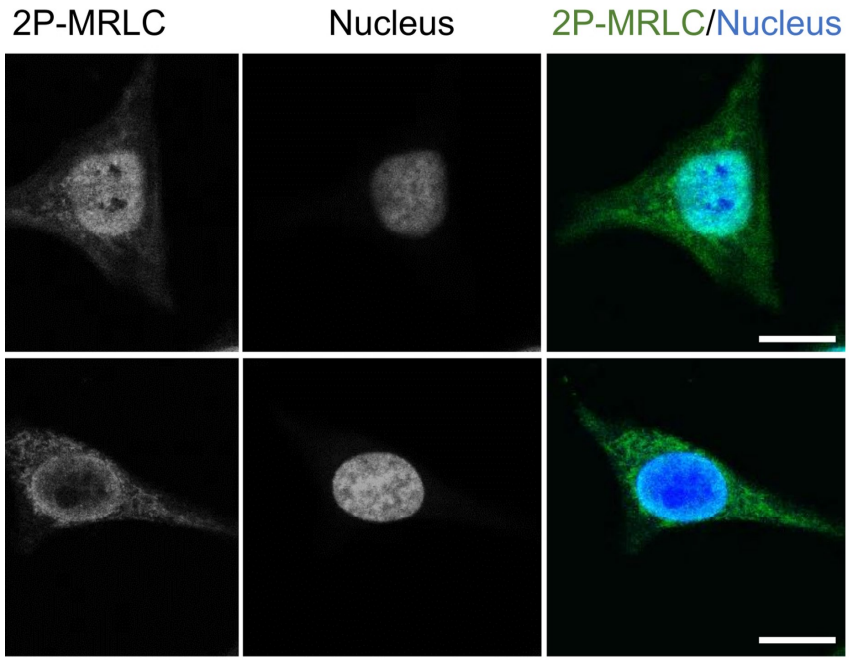
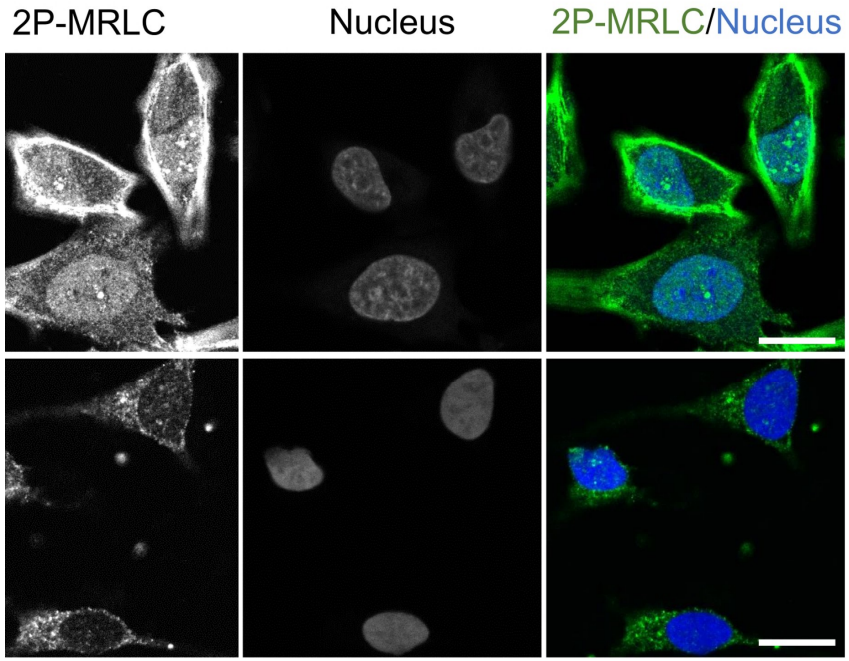
HOKKAIDO UNIVERSITY

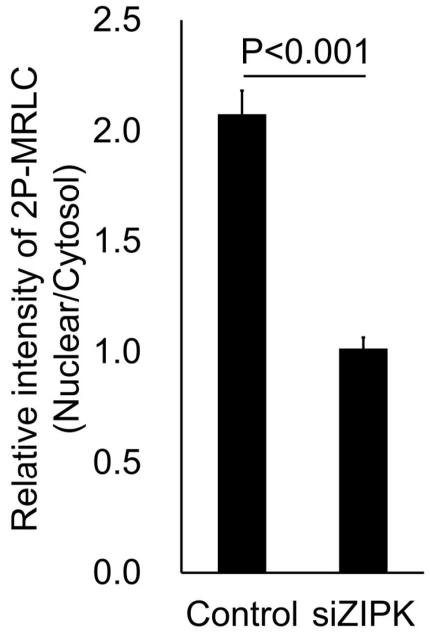
Title	Substrate stiffness induces nuclear localization of myosin regulatory light chain to suppress apoptosis
Author(s)	Onishi, Katsuya; Ishihara, Seiichiro; Takahashi, Masayuki et al.
Citation	FEBS Letters, 597(5), 643-656 https://doi.org/10.1002/1873-3468.14592
Issue Date	2023-03-13
Doc URL	https://hdl.handle.net/2115/91296
Rights	This is the peer reviewed version of the following article: Onishi, K., Ishihara, S., Takahashi, M., Sakai, A., Enomoto, A., Suzuki, K. and Haga, H. (2023), Substrate stiffness induces nuclear localization of myosin regulatory light chain to suppress apoptosis. FEBS Lett, 597: 643-656., which has been published in final form at Link to final article using the https://doi.org/10.1002/1873-3468.14592. This article may be used for non-commercial purposes in accordance with Wiley Terms and Conditions for Use of Self-Archived Versions. This article may not be enhanced, enriched or otherwise transformed into a derivative work, without express permission from Wiley or by statutory rights under applicable legislation. Copyright notices must not be removed, obscured or modified. The article must be linked to Wiley's version of record on Wiley Online Library and any embedding, framing or otherwise making available the article or pages thereof by third parties from platforms, services and websites other than Wiley Online Library must be prohibited.
Type	journal article
File Information	2.pdf

Hokkaido University Collection of Scholarly and Academic Papers : HUSCAP

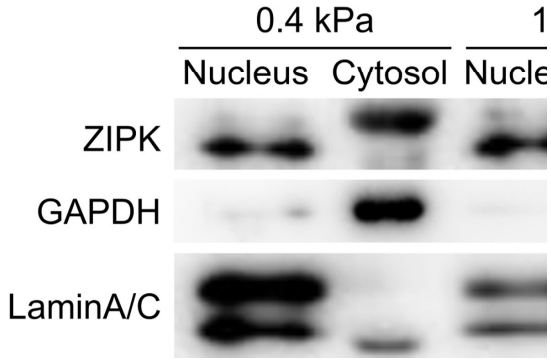

2P-MRLC
Nucleus
2P-MRLC/Nucleus


2P-MRLC
Nucleus
2P-MRLC/Nucleus

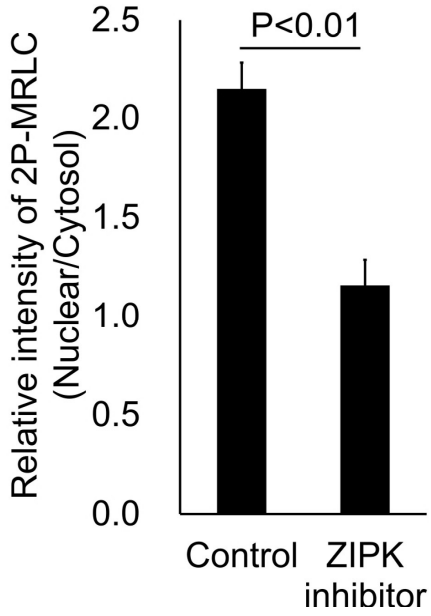
B.


P<0.001
Relative intensity of 2P-MRLC (Nuclear/Cytosol)
2.5
2.0
1.5
1.0
0.5
0.0
Control
siZIPK

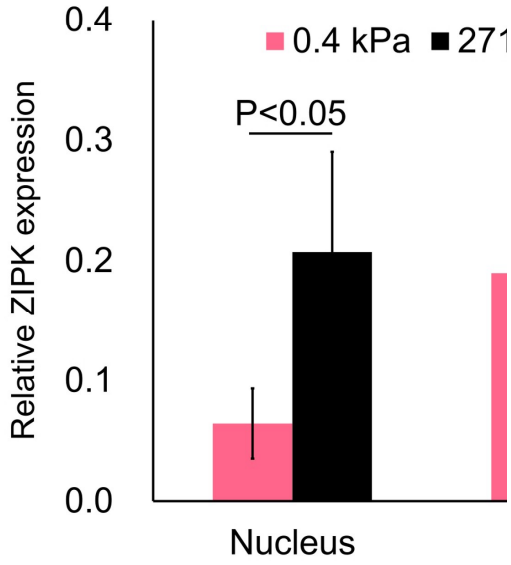
E.


0.4 kPa
1
Nucleus
Cytosol
Nucle
ZIPK
GAPDH
LaminA/C

D.


P<0.01
Relative intensity of 2P-MRLC (Nuclear/Cytosol)
2.5
2.0
1.5
1.0
0.5
0.0
Control
ZIPK inhibitor

F.


0.4 kPa
271
P<0.05
Relative ZIPK expression
0.4
0.3
0.2
0.1
0.0
Nucleus