

Table S1. List of antibodies used for immunostaining and retrovirus plasmids**• Primary antibodies**

Antibody name	Species	Vendor	Dilution
Cleaved caspase3	rabbit	Cell Signaling	1:500
α -Tubulin	rat	AbD Serotec	1:1,000
RhoA	mouse	Santa Cruz	1:500
Anillin	rabbit	Santa Cruz	1:250
P150 ^{glued}	mouse	BD bioscience	1:200
DIC 74.1	mouse	Millipore	1:100
NMHCIIA	rabbit	Covance	1:1,000
GFP	mouse	Invitrogen	1:500
MPM2	mouse	Millipore	1:200
N-Cadherin	mouse	BD bioscience	1:100
aPKC (PKC ζ)	rabbit	Santa Cruz	1:100
GFP	chicken	Aves	1:500
c-Myc (detecting tdTomato-c-Myc)	goat	Novus	1:150

• Secondary antibodies

Antibody name	Species	Vendor	Dilution
Alexa Fluor 488-, 568-, 647- conjugated antibodies	Donkey anti-mouse, rabbit, rat	Invitrogen	1:500
Alexa Fluor 594-, 633- conjugated phalloidin		Invitrogen	1:100
Anti-GFP and c-Myc	Donkey anti-chicken, goat	Jackson Immuno Research Lab	1:100

• Retrovirus plasmid construction

Retrovirus plasmid	Template plasmid	Source	Other
pCX-mCherry- α Tub	pEGFP- α Tubulin pRSET-mCherry	Previously generated. Moon et al., 2014	
pCX-MRLC1-GFP	pEGFP-MRLC1	Tom Egelhoff (Cleveland Clinic, Cleveland, OH, USA)	Addgene plasmid #35680
pCX-SEPT6-GFP	pEGFP-SEPT6	Matthew Krummel (UCSF, San Francisco, CA, USA)	Described in Gilden et al., 2012
pCX-H2B-tdTomato	pCLNR-H2BG	Geoffrey Wahl (Salk Institute, San Diego, CA, USA)	Addgene plasmid #17735
	pRSET-B- tdTomato	Roger Tsien (UCSD, San Diego, CA, USA)	
pCX-DN-RhoA, pCX-CA-RhoA	pEGFP-DN-RhoA (T19N) pEGFP-CA-RhoA (Q63L)	Kozo Kaibuchi (Nagoya University, Nagoya, Japan)	