Supplementary Materials

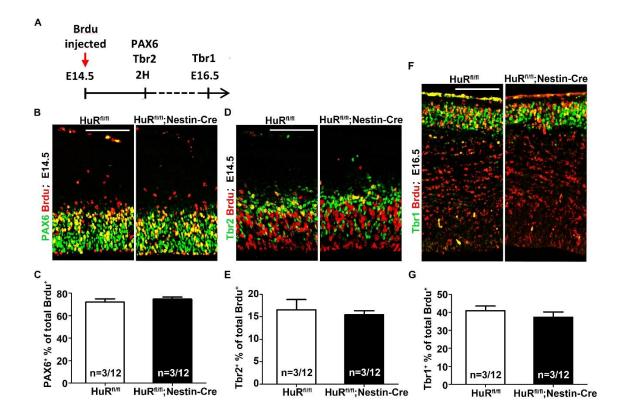


Fig. S1. HuR deletion did not affect neural progenitor cell proliferation or differentiation. (A) Schematic of BrdU labeling assay. (B) BrdU was administrated at E14.5 HuR^{fl/fl}; Nestin-Cre mice and HuR^{fl/fl} mice. Brain sections were stained with anti-PAX6 and anti-BrdU antibodies in 2 h post BrdU injection. (C) The ratio of PAX6⁺ BrdU⁺ among the total BrdU⁺ cells was similar between two mice groups. Student's t-test was used for statistical analysis. The n values represent the numbers of brains/brain sections. (D) BrdU was administrated at E14.5 HuR^{fl/fl}; Nestin-Cre mice and HuR^{fl/fl} mice. Brain sections were stained with anti-Tbr2 and anti-BrdU antibodies in 2 h post BrdU injection. (E) The ratio of Tbr2⁺ BrdU⁺ among the total BrdU⁺ cells was similar between two mice groups. Student's t-test was used for statistical analysis. The n values represent the numbers of brains/brain sections. (F) BrdU was administrated at E14.5 HuR^{fl/fl}; Nestin-Cre mice and HuR^{fl/fl} mice. Brain sections were stained with anti-Tbr1 and anti-BrdU antibodies in 2 h post BrdU injection. (G) The ratio of Tbr1⁺ BrdU⁺

among the total BrdU⁺ cells was similar between two mice groups. Student's t-test was used for statistical analysis. The n values represent the numbers of brains/brain sections. The data are shown as means \pm SEM. n.s.: P > 0.5; *: P < 0.05; **: P < 0.01; ***: P < 0.001.

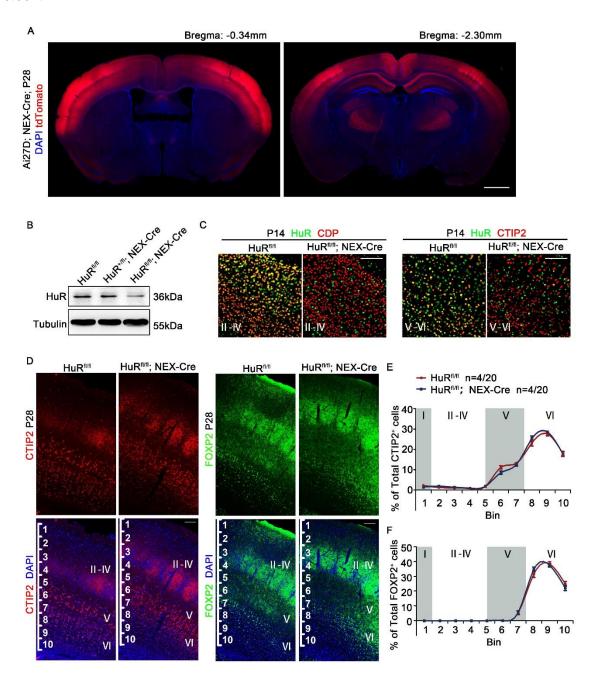


Fig. S2. Deletion of HuR in post-mitotic neurons affects cortical lamination.

(A) Representative images of P28 Ai27D; NEX-Cre cortical sections. The tdTomato signal was present in the cortex and hippocampus. (B) Western blotting analyses of HuR protein expression in P0 HuR^{fl/fl}, HuR^{+/fl}; NEX-Cre; and HuR^{fl/fl}; NEX-Cre

cortical lysates. (C) Immunostaining of CDP, CTIP2 and HuR in P14 HuR^{fl/fl} and HuR^{fl/fl}; NEX-Cre cortical sections. HuR was absent from CDP⁺ and CTIP2⁺ cells. Scale bar=100 μ m (D) Immunostaining of CTIP2 and FOXP2 in P28 HuR^{fl/fl} and HuR^{fl/fl}; NEX-Cre cortical sections. Scale bar=100 μ m. (E) Distribution of CTIP2⁺ neurons in the cortex. Cerebral cortices were divided into 10 equal bins. Two-way ANOVA with *Bonferroni* post-hoc analysis was used for statistical analysis. The n values represent the numbers of brains/brain sections. (F) Distribution of FOXP2⁺ neurons in the cortex. Cerebral cortices were divided into 10 equal bins. Two-way ANOVA with *Bonferroni* post-hoc analysis was used for statistical analysis. The n values represent the numbers of brains/brain sections. For all images in this figure, nuclei were counterstained with DAPI. The data are shown as means \pm SEM. n.s.: P > 0.5; *: P < 0.05; **: P < 0.01; ***: P < 0.001.

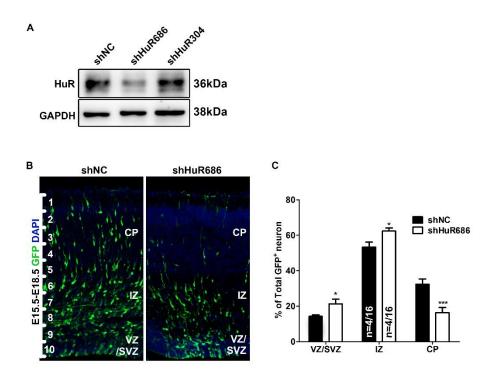


Fig. S3. HuR knockdown impairs neuronal migration. (A) Western blotting analysis showed the knockdown efficiency of shHuR686 was better than that of shHuR304. (B) E15.5 WT embryonic brains were electroporated with indicated plasmids, and cortical slices were stained with an anti-GFP antibody and DAPI at E18.5. Scale bar=100 μm. (C) Cerebral cortices were divided into VZ/SVZ, IZ and

CP areas. Quantification analyses of GFP⁺ cells in each area. Student's t-test was used for statistical analysis. The n values represent the numbers of brains/brain sections. The data are shown as means \pm SEM. n.s.: P > 0.5; *: P < 0.05; **: P < 0.01; ***: P < 0.001.

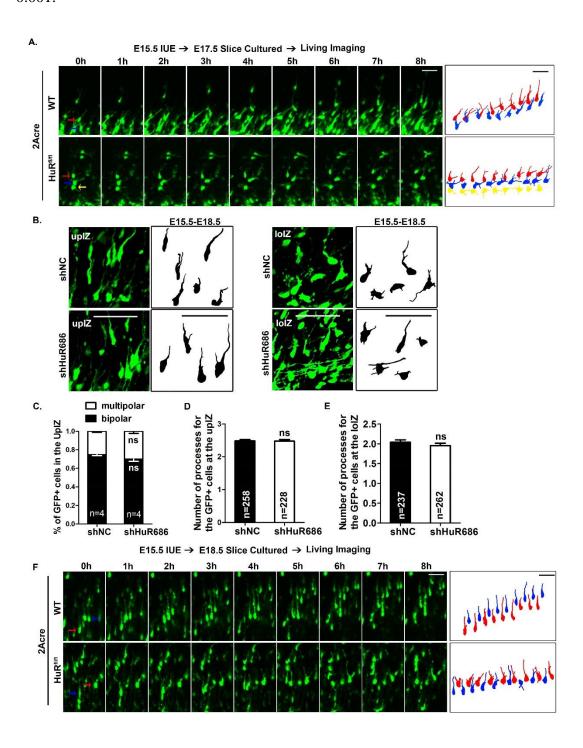


Fig. S4. HuR-deficient neuron exhibits impaired cell motility but normal morphology. (A) Brian slices were obtained 2 days after *in utero* electroporation of

GFP-2A-Cre plasmids into E15.5 HuR^{fl/fl} or WT embryos. An 8-h time-lapse imaging assay was performed for each slice to acquire serial images of migrating neurons in the IZ. Representative neurons are indicated by red, blue and yellow arrows, and tracings of each neuron are shown in the right panels. Scale bars=20 µm. (B) Representative images of GFP⁺ neuron in the upIZ and loIZ of brains that were electroporated with indicated plasmids. Scale bars=20 µm. (C) Quantification of multipolar and bipolar neurons in the upIZ of brains that electroporated with indicated plasmids. Student's t-test was used for statistical analysis. The n values represent the numbers of brains. (D) and (E) Quantification of processes of GFP⁺ cells in the upIZ and loIZ. Student's t-test was used for statistical analysis. The n values represent the numbers of neurons. (F) Brain slices were obtained 3 days after in utero electroporation of RV-CAG-GFP-2A-Cre plasmids into E15.5 HuRfl/fl or WT embryos. An 8-h time-lapse imaging assay was performed for each slice to acquire serial images of migrating neurons in the CP. Representative neurons are indicated by red and blue arrows, and tracings of each neuron are shown in the right panels. Scale bars= 20 µm. The numbers of brains and neurons quantified in each experiment are indicated on the graphs or shown in the legend. The data are shown as means \pm SEM. Student's t-test was used for statistical analyses in this figure. n.s.: P > 0.5; *: P < 0.05; **: P < 0.01; ***: P < 0.001.

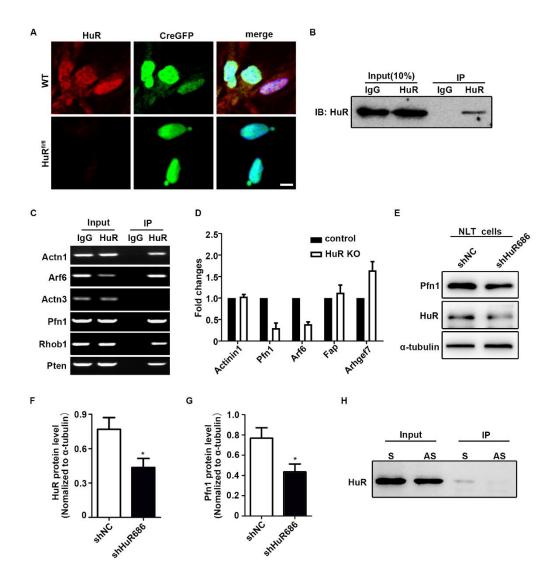


Fig. S5. HuR deficiency impairs Pfn1 expression. (A) Representative images of GFP-Cre lentivirus-infected HuR^{fl/fl} and WT neurons. The absence of HuR staining signal confirmed the deletion of HuR in neurons. (B) RNA-IP using an anti-HuR antibody. (C) RNA-IP of HuR confirmed the binding between HuR protein and the mRNAs of *actm1*, *arf6*, *pfn1*, *rhob1* and *pten*. (D) qPCR analyses of indicated genes that derived from P0 HuR^{fl/fl}; Nestin-Cre and HuR^{fl/fl} mice cortical lysates. Mann-Whitney U was used for statistical analysis. Quantification results were from 4 independent experiments. (E) Western blotting analyses of HuR and Pfn1 protein expression in NLT cells that electroporated with shNC or shHuR686 vectors. (F) and (G) Quantitative analyses of HuR (F) and Pfn1 (G) protein expression levels in (E). Quantification results were from

3 independent experiments. Mann-Whitney U was used for statistical analysis. (H) RNA binding assay of pfn1 mRNA with HuR protein. The sense RNA template of pfn1 precipitates with HuR protein. Quantification data are shown as means \pm SEM. n.s.: P> 0.5; *: P < 0.05; **: P < 0.01; ***: P < 0.001.

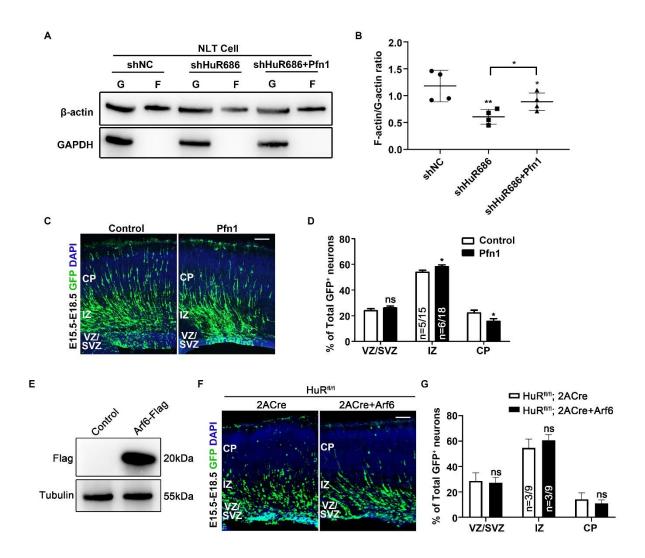


Fig. S6. Pfn1 overexpression rescues migration defects of HuR-deficient neurons.

(A) Western blotting analyses of G-actin and F-actin fractions in cultured NLT cells that transfected with indicated plasmid. The mole ratio of shHuR vector to Pfn1 expression vector is 2:1. (B) Quantification of G/F-actin ratio as determined using densitometry analyses of Western blotting results from 4 independent experiments. One-way ANOVA was used for statistical analysis. (C) The control or Pfn1 expression plasmid was electroporated into E15.5 WT embryo cortices. Cortical sections were

analyzed at E18.5 and immunostained for GFP. The nuclei were counterstained with DAPI. Scale bar=100 μ m. (D) Quantification results of GFP+ neuron distribution across the cerebral cortex. Overexpression Pfn1 alone showed a deleterious effect on neuronal migration. Student's t-test was used for statistical analysis. The n values represent the numbers of brains/brain sections. (E) HEK293T cells were transfected with indicated plasmids. Cell lysates were incubated with an anti-Flag antibody to detect the overexpression of Arf6. β -Tubulin was used as a loading control. (F) E15.5 HuR^{fl/fl} embryonic brains were electroporated with the indicated plasmids, and cortical slices were stained with an anti-GFP antibody and DAPI at E18.5. The mole ratio of 2A-Cre vector to Arf6 expression vector is 1:1. Scale bar=100 μ m. (G) Quantification analyses of GFP+ neuron distribution in (F). Student's t-test was used for statistical analysis. The n values represent the numbers of brains/brain sections. The data are shown as means \pm SEM. n.s.: P > 0.5; *: P < 0.05; **: P < 0.01; ***: P < 0.001.

Table S1 Results of PCR-array

Position	Unigene	GeneBank	Description	Gene Name	Fold of	Comment	
					Change		
A O 1	M. 490605	NN 026064	M 112	RIKEN cDNA	1.02		
A01	Mm.489605	NM_026064	Myl12a	2900073G15 gene	-1.92		
A02	Mm.403477	NM_134156	Actn1	Actinin, alpha 1	-5.84	#	
A03	Mm.5316	NM_013456	Actn3	Actinin alpha 3	-2.38	#	
A04	Mm.81144	NM_021895	Actn4	Actinin alpha 4	-1.21		
				ARP2 actin-related			
A05	Mm.259045	NM_146243	Actr2	protein 2 homolog	-1.46		
				(yeast)			
				ARP3 actin-related			
A06	Mm.183102	NM_023735	Actr3	protein 3 homolog	-1.37		
				(yeast)			
4.05	Mm.6645	NM_009652	Akt1	Thymoma viral	1.31		
A07	WIII.0043	NWI_009032	TIMI	proto-oncogene 1	1.J1		
A08	Mm.27308	A 27200 NNA 007401	Mass 27209 NIM 007491 Auff	A self	ADP-ribosylation	-3.52	
AU8	MIII.27308	NM_007481	Arf6	factor 6	-3.32		
				Rho GDP			
A09	Mm.474783	NM_133796	Arhgdia	dissociation inhibitor	-1.55		
				(GDI) alpha			
				Rho guanine			
A10	Mm.244068	NM_017402	Arhgef7	nucleotide exchange	3.04	#	
				factor (GEF7)			
				Brain-specific			
A11	Mm 107524	NM 120062	Raian?	angiogenesis	-2.22		
AII	Mm.197534	NM_130862	Baiap2	inhibitor 1-associated	-2.22		
				protein 2			
A12	Mm.3758	NM_009954	Bcar1	Breast cancer anti-	-1.59		

				estrogen resistance 1		
B01	Mm.6221	NM_007600	Capn1	Calpain 1	-2.45	#
B02	Mm.19306	NM_009794	Capn2	Calpain 2	-2.00	
B03	Mm.28278	NM_007616	Cav1	Caveolin 1, caveolae protein	-2.24	
B04	Mm.447553	NM_009861	Cdc42	Cell division cycle 42 homolog (S. cerevisiae)	-2.17	
B05	Mm.329655	NM_007687	Cfl1	Cofilin 1, non-muscle	-2.06	
B06	Mm.280125	NM_133656	Crk	V-crk sarcoma virus CT10 oncogene homolog (avian)	-1.74	
B07	Mm.795	NM_007778	Csf1	Colony stimulating factor 1 (macrophage)	-1.87	#
B08	Mm.490123	NM_007803	Cttn	Cortactin	-1.99	#
B09	Mm.195916	NM_007858	Diap1	Diaphanous homolog 1 (Drosophila)	-2.26	#
B10	Mm.1151	NM_010074	Dpp4	Dipeptidylpeptidase 4	-2.04	#
B11	Mm.252481	NM_010113	Egf	Epidermal growth factor	-1.89	#
B12	Mm.420648	NM_007912	Egfr	Epidermal growth	-1.67	#
C01	Mm.389224	NM_010135	Enah	Enabled homolog (Drosophila)	-1.46	
C02	Mm.277812	NM_009510	Ezr	Ezrin	-1.44	
C03	Mm.41816	NM_007986	Fap	Fibroblast activation protein	-3.10	#
	·	·				·

C04	Mm.473689	NM_008006	Fgf2	Fibroblast growth factor 2	-2.16	#
C05	Mm.267078	NM_010427	Hgf	Hepatocyte growth factor	-2.27	#
C06	Mm.268521	NM_010512	Igf1	Insulin-like growth factor 1	-2.29	#
C07	Mm.275742	NM_010513	Igf1r	Insulin-like growth factor I receptor	-1.59	
C08	Mm.274846	NM_010562	Ilk	Integrin linked kinase	-1.19	
C09	Mm.31903	NM_010576	Itga4	Integrin alpha 4	-1.58	#
C10	Mm.263396	NM_010578	Itgb1	Integrin beta 1 (fibronectin receptor beta)	-1.69	
C11	Mm.1137	NM_008404	Itgb2	Integrin beta 2	-2.49	#
C12	Mm.87150	NM_016780	Itgb3	Integrin beta 3	-2.38	#
D01	Mm.15409	NM_010717	Limk1	LIM-domain containing, protein kinase	-1.97	#
D02	Mm.196581	NM_011949	Mapk1	Mitogen-activated protein kinase 1	-2.06	
D03	Mm.86844	NM_008591	Met	Met proto-oncogene	-1.96	#
D04	Mm.486486	NM_008608	Mmp14	Matrix metallopeptidase 14 (membrane-inserted)	-1.29	
D05	Mm.29564	NM_008610	Mmp2	Matrix metallopeptidase 2	-1.63	#
D06	Mm.4406	NM_013599	<i>Мтр</i> 9	Matrix	-1.35	#

			metallopeptidase 9		
Mm.138876	NM_010833	Msn	Moesin	-1.42	
			Myosin, heavy		
Mm.218233	NM_175260	Myh10	polypeptide 10, non-	-1.39	
			muscle		
			Myosin, heavy		
Mm.29677	NM_022410	Myh9	polypeptide 9, non-	-1.53	
			muscle		
			Myosin, light		
Mm.33360	NM_139300	Mylk	polypeptide kinase	-1.90	#
			P21 protein		
Mm.260227	NM_011035	Pak1	(Cdc42/Rac)-	-1.58	
			activated kinase 1		
			P21 protein		
Mm.21876	NM_027470	Pak4	(Cdc42/Rac)-	-1.69	
			activated kinase 4		
Mm.2647	NM_011072	Pfn1	Profilin 1	-2.96	
			Phosphatidylinositol		
Mm.260521	NM_008839	Pik3ca	3-kinase, catalytic,	-1.76	
			alpha polypeptide		
			Plasminogen		
Mm.1359	NM_011113	Plaur	activator, urokinase	-1.66	#
			receptor		
M 44452	ND 4 004200	pi i	Phospholipase C,	1.74	
Mm.44463	NM_021280	Plcg1	gamma 1	-1.54	
Mm.212039	NM_008875	Pld1	Phospholipase D1	-1.44	#
			Protein kinase C,		
Mm.222178	NM_011101	Prkca	alpha	-1.50	
Mm.245395	NM_008960	Pten	Phosphatase and	1.82	
	Mm.218233 Mm.29677 Mm.33360 Mm.260227 Mm.2647 Mm.2647 Mm.1359 Mm.44463 Mm.212039 Mm.212039	Mm.218233 NM_175260 Mm.29677 NM_022410 Mm.33360 NM_139300 Mm.260227 NM_011035 Mm.21876 NM_027470 Mm.260521 NM_001072 Mm.1359 NM_011113 Mm.44463 NM_021280 Mm.212039 NM_008875 Mm.222178 NM_011101	Mm.218233 NM_175260 Myh10 Mm.29677 NM_022410 Myh9 Mm.33360 NM_139300 Mylk Mm.260227 NM_011035 Pak1 Mm.21876 NM_027470 Pak4 Mm.2647 NM_011072 Pfn1 Mm.260521 NM_008839 Pik3ca Mm.1359 NM_011113 Plaur Mm.44463 NM_021280 Plcg1 Mm.212039 NM_008875 Pld1 Mm.222178 NM_011101 Prkca	Mm.138876 NM_010833 Msn Moesin Mm.218233 NM_175260 Myh10 polypeptide 10, nonmuscle Mm.29677 NM_022410 Myh9 Myosin, heavy polypeptide 9, nonmuscle Mm.33360 NM_139300 Mylk Myosin, light polypeptide kinase Mm.260227 NM_011035 Pak1 (Cdc42/Rac)-activated kinase 1 Mm.21876 NM_027470 Pak4 (Cdc42/Rac)-activated kinase 4 Mm.2647 NM_011072 Pfn1 Profilin 1 Mm.260521 NM_008839 Pik3ca 3-kinase, catalytic, alpha polypeptide Mm.1359 NM_011113 Plaur Plasminogen activator, urokinase receptor Mm.44463 NM_021280 Plcg1 Phospholipase C, gamma 1 Mm.212039 NM_008875 Pld1 Phospholipase D1 Mm.222178 NM_011101 Prkca alpha	Mm.138876 NM_010833 Msn Moesin -1.42 Mm.218233 NM_175260 Myhl0 polypeptide 10, nonmuscle Mm.29677 NM_022410 Myh9 polypeptide 9, nonmuscle Mm.33360 NM_139300 Mylk Myosin, light polypeptide kinase -1.90 Mm.260227 NM_011035 Pakl (Cdc42/Rac)-activated kinase 1 -1.58 Mm.21876 NM_027470 Pak4 (Cdc42/Rac)-activated kinase 4 -1.69 Mm.2647 NM_011072 Pfnl Profilin 1 -2.96 Mm.260521 NM_008839 Pik3ca 3-kinase, catalytic, alpha polypeptide -1.76 Mm.1359 NM_011113 Plaur activator, urokinase receptor -1.66 Mm.44463 NM_021280 Plcg1 Phospholipase C, gamma 1 -1.54 Mm.212039 NM_008875 Pld1 Phospholipase C, alpha -1.50 Amm.222178 NM_011101 Prkca Protein kinase C, alpha -1.50

				tensin homolog		
E08	Mm.254494	NM_007982	Ptk2	PTK2 protein	-1.31	
				tyrosine kinase 2		
E09	Mm.21613	NM_172498	Ptk2b	PTK2 protein tyrosine kinase 2 beta	-1.93	#
				Protein tyrosine		
E10	Mm.277916	NM_011201	Ptpn1	phosphatase, non-	-1.80	
				receptor type 1		
E11	Mm.18714	NM_011223	Pxn	Paxillin	-1.37	#
E12	Mm.469963	NM_009007	Rac1	RAS-related C3	-1.55	
L12	WIIII.409903	14141_009007	Raci	botulinum substrate 1	-1.55	
F01	Mm.1972	NM_009008	Rac2	RAS-related C3	-1.92	#
101	WIIII.1972	-	botulinum substrate 2	-1.92	π	
F02	Mm.259653	Иm.259653 NM_145452	Rasa1	RAS p21 protein	-1.92	
1.02	WIII.237033	INIVI_143432		activator 1		
F03	Mm.472057	NM_009041	Rdx	Radixin	-1.50	
F04	Mm.406156	NM_145383	Rho	Rhodopsin	-1.87	#
F05	Mm.318359	NM_016802	Rhoa	Ras homolog gene	-1.66	
1.03	WIIII.316339	NWI_010802	Knoa	family, member A	-1.00	
F06	Mm.687	NM_007483	Rhob	Ras homolog gene	1.33	
100	WIIII.007	NWI_007403	Knoo	family, member B	1.55	
F07	Mm.262	NM_007484	Rhoc	Ras homolog gene	-1.65	
107	WIII.202	11111_007404	Knoc	family, member C	-1.03	
F08	Mm.46497	NM_028810	Rnd3	Rho family GTPase 3	-1.82	
				Rho-associated		
F09	Mm.6710	NM_009071	Rock1	coiled-coil containing	-2.04	
				protein kinase 1		
F10	Mm.127560	NM_008018	Sh3pxd2a	SH3 and PX domains	-1.63	#
			2A			

F11	Mm.22845	NM_009271	Src	Rous sarcoma oncogene	-1.79	#
				Signal transducer and		
F12	Mm.249934	NM_011486	Stat3	activator of	-1.71	
				transcription 3		
G01	Mm.136791	NM_153153	Svil	Supervillin	-1.78	
G02	M.: 249290	NM 011577	T. C. 1	Transforming growth	2.51	ш
G02	Mm.248380	NM_011577	Tgfb1	factor, beta 1	-2.51	#
				Tissue inhibitor of		
G03	Mm.206505	NM_011594	Timp2	metalloproteinase 2	-2.19	
G04	Mm.208601	NM_011602	Tln1	Talin 1	-2.08	
				Vasodilator-		
G05	Mm.9684	NM_009499	Vasp	stimulated	-1.87	#
				phosphoprotein		
G06	Mm.279361	NM_009502	Vcl	Vinculin	-2.15	
C07	M 202104	NIM 000505	W f	Vascular endothelial	1 72	
G07	Mm.282184	NM_009505	Vegfa	growth factor A	-1.73	
G08	Mm.268000	NM_011701	Vim	Vimentin	-1.98	
G09	Mm.41353	NM_031877	Wasf1	WASP family 1	-1.59	
G10	M 22566	ND 4 152422	т, т	WAS protein family,	1.76	,,
G10	Mm.23566	NM_153423	Wasf2	member 2	-1.76	#
				Wiskott-Aldrich		
G11	Mm.1574	NM_028459	Wasl	syndrome-like	-1.74	
				(human)		
				WAS/WASL		
G12	Mm.223504	NM_153138	Wipf1	interacting protein	-2.14	#
				family, member 1		
H03	Mm.304088	NM_008084	Gapdh	Glyceraldehyde-3-	1.44	internal

				phosphate		control
				dehydrogenase		
H05	Mm.2180	NM_008302	Hsp90ab1	Heat shock protein 90		T. 4 1
				alpha (cytosolic),	-1.44	Internal
				class B member 1		control

Gene expression was analyzed by Qiagen online software

(https://www.qiagen.com/cn/shop/genes-and-pathways/data-analysis-center-overview-page/) using Gapdh and Hsp90ab1 as internal control. Up-regualted genes were shown as positive values and down-regulated genes were shown as negative values. # indicated genes that had low basal expression level (Ct value>30 in control samples). The most up-regulated gene (*Arhgef7*) was colored in RED, and the most down-regulated genes (*Actn1*, *Arf6*, *Fap*, *Pfn1*) were colored in GREEN.

Table S2 Sequences of primers in this study

Primers	Sequence 5' to 3'	Notes
NEX Cre 1:	CCGCATAACCAGTGAAACAG	(Goebbels et al., 2006)
NEX Cre 2:	AGAATGTGGAGTAGGGTGAC	Pair with NEX Cre 1
NEX Cre 3:	GAGTCCTGGCAGTCTTTTC	Pair with NEX Cre 1
HuR flox F:	CTCTCCAGGCAGATGAGCA	(Ghosh et al., 2009)
HuR flox R:	TAGGCTCTGGGATGAAACCT	
Ai27D Wild F:	AAG GGA GCT GCA GTG GAG TA	(Linda et al., 2012)
Ai27D Wild R:	CCGAAAATCTGTGGGAAGTC	
Ai27D Mutant F:	CTGTTCCTGTACGGCATGG	(Linda et al., 2012)
Ai27D Mutant R:	GGCATTAAAGCAGCGTATCC	
Nestin-Cre 1:	GCCTTATTGTGGAAGGAC	(Giusti et al., 2014)
Nestin-Cre 2:	TTGCTAAAGCGCTACATAGGA	Pair with Nestin-Cre 1
Nestin-Cre 3	CCTTCCTGAAGCAGTAGAGCA	Pair with Nestin-Cre 1
1-81 3'UTR: F:	CCGCTCGAGCCTCATCTGTCCCTTCCCC CCACCG	Pfn1 cloning
1-81 3'UTR: R:	TTTTCCTTTTGCGGCCGCAAAAAATAAT	Pfn1 cloning
82-290 3'UTR: F:	GGTATGTGTG CCGCTCGAGGGGCCATTACCCCATTTC	Pfn1 cloning
82-290 3'UTR: R:	TTTTCCTTTTGCGGCCGCTTTTTTTTTT	Pfn1 cloning
1-194 3'UTR: R:	TTTTGTTAG TTTTCCTTTTGCGGCCGCTTTTCCAAACACACACAG	Pfn1 cloning
HuR F:	GA TTCTGGTGTCAATGTCCCCG	qPCR
HuR R:	CAAAGGGCCAAACATCTGC	qPCR
GAPDH F:	GAGAGACCCTCACTGCTG	qPCR
GAPDH R:	GATGGTACATGACAAGGTGC	qPCR
Profilin1 F:	GTGGAACGCCTACATCGACA	qPCR

Profilin1 R:	TTGACCGGTCTTTGCCTACC	qPCR
Actn1 F:	ACATGCAGCCTGAAGAGGAC	qPCR
Actn1 R:	TGAGATGACCTCCAGGAGCA	qPCR
Arf6 F:	ATCTTCGCCAACAAGCAGGA	qPCR
Arf6 R:	AGGTTAACCATGTGAGCCCC	qPCR
Actn3 F:	GAGCTCGACTACCATGAGGC	qPCR
Actn3 R:	GCCAGTTATTGAAGGGGGCT	qPCR
Rhob F:	ACTATGTGGCGGACATCGAG	qPCR
Rhob R:	AGAAGTGCTTTACCTCGGGC	qPCR
Pten F:	TCCTGCAGAAAGACTTGAAGGT	qPCR
Pten R:	GCTGTGGTGGGTTATGGTCT	qPCR
Fap F:	GGCTGGGGCTAAGAATCCG	qPCR
Fap R:	GCATACTCGTTCACTGGACAC	qPCR
Arhgef7 F:	CATAATCACGTCTTGGCTGATGA	qPCR
Arhgef7 R	CAGCAGCTCTTACGGGATGC	qPCR
pfn1-F	CCTCATCTGTCCCTTCCCCCACCG	RNA binding assay
pfn1-R	GTTAGTAGAATCTTTTTTTTTTTCAGAAA AA	RNA binding assay

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