S6 Table. List of primary antibodies.

Antibody	Source	Catalog No.	Host	Dilution
Actin	Millipore	MAB1501	Mouse monoclonal	1:10,000
Alpha-tubulin	Sigma-Aldrich	T9026	Mouse monoclonal	1:1500
ARHGEF2(55B6)	Cell Signaling	4076	Rabbit monoclonal	1:1000
ARHGEF2	Cell Signaling	4145	Rabbit polyclonal	1:1000
β-III-tubulin	Covance	MMS-435P-250	Mouse monoclonal	1:1000
CDK5RAP2 (N1)	Self-generated	-	Rabbit polyclonal	1:10,000
CDK5RAP2	Sigma-Aldrich	HPA035820	Rabbit polyclonal	1:200
GFP	Abcam	AB13970	Chicken polyclonal	1:1000
γ-tubulin	Sigma-Aldrich	T6557	Mouse monoclonal	1:500
Ki67	BD Pharmingen	556003	Mouse monoclonal	1:200
MLC-2	Cell Signaling	3672	Rabbit polyclonal	1:1000
Mbh2	Novus Biologicals	NBP1-86513	Rabbit polyclonal	1:200
p-MLC (Ser 19)	Cell Signaling	3671	Rabbit polyclonal	1:1000
RhoA	Cytoskeleton	ARH03	Mouse monoclonal	1:500
Phalloidin	Sigma-Aldrich	P1951	--	1:100
Phospho-histone H3 (Ser10) (p-H3)	Cell Signaling	9706	Mouse monoclonal	1:25
Tlx3	Self-generated	-	Guinea pig polyclonal	1:10,000
SatB2	Abcam	ab92446	Rabbit monoclonal	1:400
Vinculin	Sigma-Aldrich	V9131	Mouse monoclonal	1:10,000
Olig3	Self-generated	-	Guinea pig polyclonal	1:10,000