

Supplementary Table 1. List of primary and secondary antibodies.

Antibody	Species	Source	Dilution	Catalog #	URL
CD31	Rat	Biologend	1:200	102501	https://www.biologend.com/fr-ch/products/purified-anti-mouse-cd31-antibody-380
huCD31	Mouse	Biologend	1:200	303101	https://www.biologend.com/fr-ch/products/purified-anti-human-cd31-antibody-883
Ctip2	Rat	Abcam	1:200 O 1:100 T	ab18465	http://www.abcam.com/ctip2-antibody-25b6-chip-grade-ab18465.html
Endoglin	Goat	R&D	1:100	BAF1320	https://www.rndsystems.com/products/mouse-endoglin-cd105-biotinylated-antibody_baf1320
GFAP	Chicken	EMD Millipore	1:2000 O 1:1000 T	AB5541	http://www.emdmillipore.com/US/en/product/Anti-Glial-Fibrillary-Acidic-Protein-Antibody_MM_NF-AB5541
huGFAP	Mouse	Biologend	1:500 O 1:250 T	837201	https://www.biologend.com/fr-ch/products/anti-gfap-antibody-11057
GFP	Rabbit	Invitrogen	1:1000	A6455	https://www.thermofisher.com/antibody/product/GFP-Tag-Antibody-Polyclonal/A-6455
GFP	Chicken	Aves Labs	1:2000	GFP-1020	http://www.aveslab.com/products/epitope-tag-and-gfp-antibodies/anti-gfp-green-fluorescent-protein-antibodies-2/
Iba1	Rabbit	Wako Chem.	1:1000 O 1:500 T	NC9288364	http://www.wako-chem.co.jp/english/labchem/product/life/AntiIba1/index.htm
MAP2	Chicken	Abcam	1:1000 O 1:500 T	ab5392	http://www.abcam.com/map2-antibody-ab5392.html
hMito	Mouse	Abcam	1:1000	ab92824	http://www.abcam.com/mitochondria-antibody-113-1-ab92824.html
NeuN	Rabbit	Abcam	1:4000 O 1:1000 T	ab177487	http://www.abcam.com/neun-antibody-epr12763-neuronal-marker-ab177487.html
huNuclei	Mouse	EMD Millipore	1:200	MAB1281	http://www.emdmillipore.com/US/en/product/Anti-Nuclei-Antibody-clone-235-1_MM_NF-MAB1281
Olig2	Rabbit	EMD Millipore	1:500	AB9610MI	https://www.fishersci.com/shop/products/anti-olig-2-antibody/ab9610mi
Pax-6	Rabbit	Biologend	1:400	901301	https://www.biologend.com/en-us/products/purified-anti-pax-6-antibody-11511
PSD95	Mouse	Antibodies Inc.	1:400	75-028	http://catalog.antibodiesinc.com/item/neuromabs/scaffold-proteins-2/75-028
S100	Rabbit	Dako	1:5000	Z0311	https://www.agilent.com/en-us/products/immunohistochemistry/antibodies-controls/primary-antibodies/s100
SMI 312	Mouse	Biologend	1:1000	837904	https://www.biologend.com/en-us/products/purified-anti-neurofilament-marker-pan-axonal-cocktail-12811
SOX2	Goat	Santa Cruz	1:250	sc-17320	https://www.scbt.com/scbt/product/sox-2-antibody-y-17
Synapsin I	Rabbit	EMD Millipore	1:100	574778	http://www.emdmillipore.com/US/en/product/Anti-Synapsin-I-Rabbit-pAb,EMD_BIO-574778
huSynapto-hysin	Mouse	eBioscience	1:500	14-6525-80	https://www.fishersci.se/shop/products/synaptophysin-mouse-anti-human-clone-ep10-ebioscience/p-7069519
RFP (tdTomato)	Rabbit	Rockland Imm.	1:1000	NC9590225	https://www.fishersci.com/shop/products/afinity-purified-anti-rfp/nc9590225
Alexa Fluor 488	Chicken	Jackson ImmunoResearch Laboratories	1:200	703-545-155	https://www.jacksonimmuno.com/catalog/products/703-545-155
	Goat			705-545-147	https://www.jacksonimmuno.com/catalog/products/703-545-147
	Mouse			715-545-151	https://www.jacksonimmuno.com/catalog/products/703-545-151
	Rabbit			711-545-152	https://www.jacksonimmuno.com/catalog/products/703-545-152

	Rat		712-545-153	https://www.jacksonimmuno.com/catalog/products/703-545-153
Cy3	Chicken	1:200	703-165-155	https://www.jacksonimmuno.com/catalog/products/703-165-155
	Goat		705-165-147	https://www.jacksonimmuno.com/catalog/products/703-165-147
	Mouse		715-165-151	https://www.jacksonimmuno.com/catalog/products/703-165-151
	Rabbit		711-165-152	https://www.jacksonimmuno.com/catalog/products/703-165-152
	Rat		712-165-153	https://www.jacksonimmuno.com/catalog/products/703-165-153
	Alexa Fluor 647		Chicken	1:200
Goat	705-605-147	https://www.jacksonimmuno.com/catalog/products/703-605-147		
Mouse	715-605-151	https://www.jacksonimmuno.com/catalog/products/703-605-151		
Rabbit	711-605-152	https://www.jacksonimmuno.com/catalog/products/703-605-152		
Rat	712-605-153	https://www.jacksonimmuno.com/catalog/products/703-605-153		