

**Supplementary information****TableS9: Detailed information of Antibodies used in the study**

<b>Antibodies</b>	<b>SOURCE</b>
Mouse monoclonal anti-Ki-67 (clone B56)	BD Biosciences
Rabbit polyclonal anti-Pax-6	BioLegend
Rabbit polyclonal anti-Doublecortin	Abcam
Guinea pig polyclonal anti-DCX	Millipore
Mouse monoclonal anti-NeuN	Millipore
Rabbit polyclonal GFAP antibody	Abcam
Rat Anti-BrdU Monoclonal Antibody, Unconjugated, Clone BU1 / 75 (ICR1)	Abcam
Mouse monoclonal Histone H3 (phospho S10) antibody	Abcam
Mouse monoclonal PCNA antibody	Novus
Mouse Anti-Polysialic Acid-NCAM (PSA-NCAM) monoclonal antibody	Millipore
Mouse monoclonal anti- PSA-NCAM	Developmental Studies Hybridoma Bank
Goat polyclonal Sox-2 (Y-17) antibody	Santa Cruz Biotechnology
Rabbit polyclonal anti-ETNPPL	Atlas Antibodies
Rabbit polyclonal anti-FAM107A	Atlas Antibodies
Rabbit polyclonal anti-ALDH1A1	Atlas Antibodies
Rabbit polyclonal anti-MFGE8	Atlas Antibodies
Rabbit monoclonal Stathmin 1 antibody [EP1573Y]	Abcam
Rabbit STMN2 polyclonal antibody	Thermo Fisher Scientific
Rabbit polyclonal Hop (FL-73) antibody	Santa Cruz Biotechnology
MCM2 (D7G11) XP Rabbit mAb antibody	Cell Signaling Technology
Mouse monoclonal anti-NEUROD1	Abcam
Mouse monoclonal anti-Calretinin	Swant
Mouse monoclonal anti-Calbindin	MilliporeSigma
Rabbit monoclonal anti-p-STAT3	Cell Signaling Technology

<b>IDENTIFIER</b>
Cat# 556003, RRID:AB_396287
Cat# 901301, RRID:AB_2565003
Cat# ab18723, RRID:AB_732011
Cat# AB2253, RRID:AB_1586992
Cat# MAB377, RRID:AB_2298772
Cat# ab7260, RRID:AB_305808
Cat# ab6326, RRID:AB_305426
Cat# ab14955, RRID:AB_443110
Cat# NB500-106, RRID:AB_2252058
Cat# MAB5324, RRID:AB_95211
Cat# 5A5, RRID:AB_528392
Cat# sc-17320, RRID:AB_2286684
Cat# HPA044546, RRID:AB_10962867
Cat# HPA055888, RRID:AB_2682957
Cat# HPA002123, RRID:AB_1844722
Cat# HPA002807, RRID:AB_1078072
Cat# ab52630, RRID:AB_2197257
Cat# 720178, RRID:AB_2606219
Cat# sc-30216, RRID:AB_2120833
Cat# 3619, RRID:AB_2142137
Cat# ab60704, RRID:AB_943491
Cat# 6B3, RRID:AB_10000320
Cat# C9848, RRID:AB_476894

Cat# 9145