

Supplementary Table 1. List of the primary antibodies used in IF and WB.

Primary Antibody	Host species	Supplier	Application
SOX2	Rb	Abcam	IF
TUBB3, clone TUJ1	Ms	Biolegend	IF
ISL1	Rb	Abcam	IF
SMI32	Ms	Biolegend	IF
DCX	Rb	Abcam	IF
MAP2	Ms	Millipore	IF
PAX6	Rb	Invitrogen	IF
OLIG2	Ms	Sigma Aldrich	IF
GFAP	Ms	Millipore	IF
PRPH	Rb	Abcam	IF
HOXB4	Rb	Abcam	IF
NTN1	Rb	Abcam	WB
EAAT1	Rb	ABclonal	WB
EAAT2	Rb	Abcam	WB
ENFB3	Rb	Abcam	WB
GAPDH	Gt	Abcam	WB
OCT4	Rb	Invitrogen	IF
GABA	Rb	Merck	IF
SSEA4	Ms	Invitrogen	IF