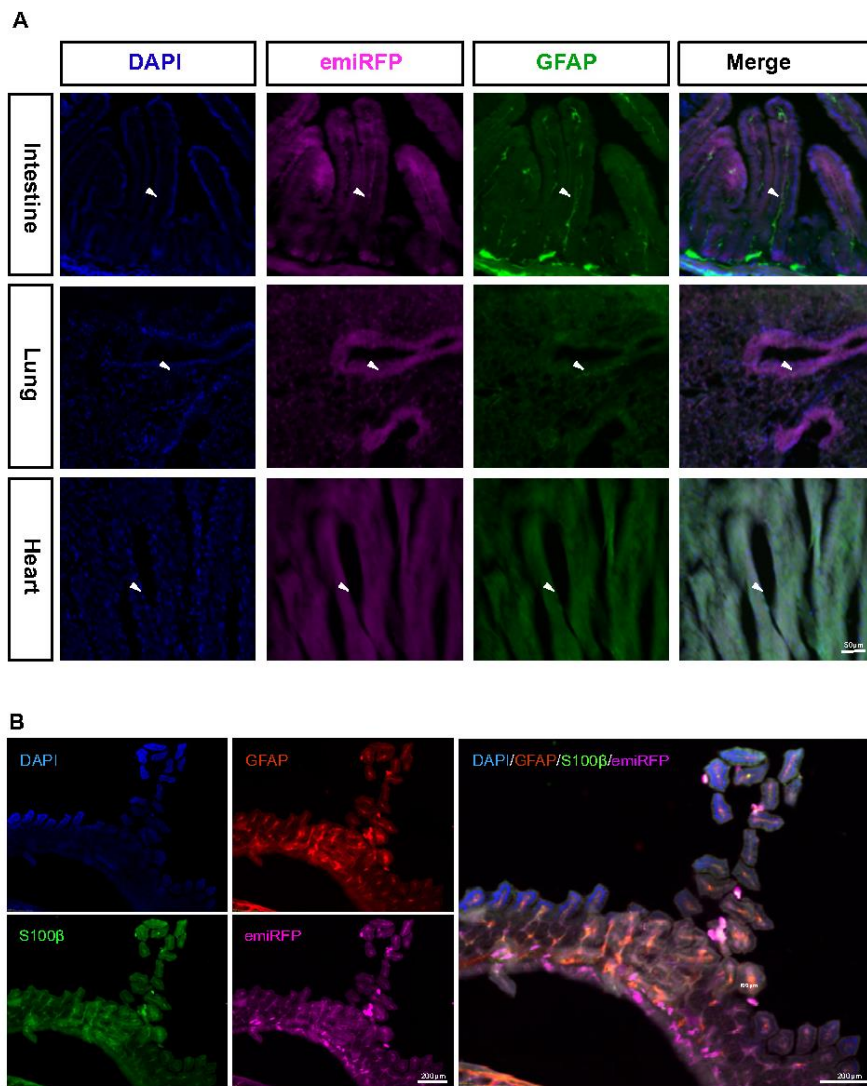


Supplementary Fig. S1

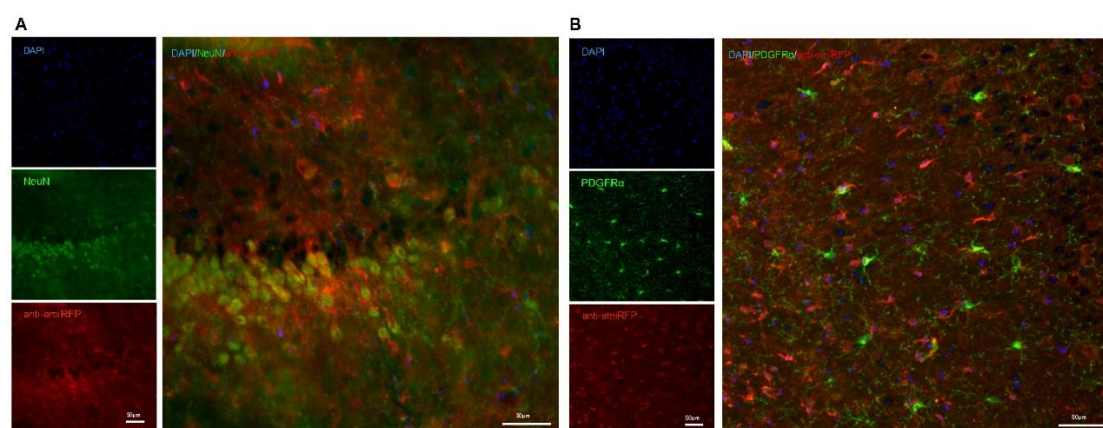


Supplemental Fig. S2



Supplemental Fig. S2. (A) GFAP staining in intestinal, lung and heart of hGFAP-Cre; H11-LSL-emiRFP knock-in mouse to identity emiRFP expression efficiency in peripheral tissues. Scale bar =50µm. (B) Glia-abundant intestinal tissue co-stained with glia marker of GFAP and s100β to further confirm emiRFP expression specificity. Scale bar =200µm.

Supplemental Fig. S3



Supplemental Fig. S3. Anti-emiRFP antibody was stained with (A) neurons and (B) OPCs in brain slices of hGFAP-Cre; H11-LSL-emiRFP knock-in mouse. Scale bar = 50 μm.

Supplemental Table

Table 1 Purified antibody titers detection of Rabbit 1

Number	Dilution Ratio	IgG OD450		Serum OD450	
1	1: 250	2.742	2.604	2.712	2.798
2	1: 000	2.551	2.532	2.536	2.893
3	1: 4000	2.390	2.451	2.488	2.622
4	1: 16000	1.955	2.066	2.113	2.276
5	1: 64000	1.280	1.378	1.417	1.678
6	1: 256000	0.706	0.684	0.844	0.875
7	1: 1024000	0.368	0.399	0.427	0.444
8	1%BSA	0.199	0.180	0.189	0.181

Table 2 Purified antibody titers detection of Rabbit 2

Number	Dilution Ratio	IgG OD450		Serum OD450	
1	1: 250	2.588	2.440	2.403	2.355
2	1: 000	2.381	2.456	2.289	2.407
3	1: 4000	2.325	2.224	2.119	2.075
4	1: 16000	1.909	1.851	1.663	2.615
5	1: 64000	1.241	1.194	0.953	0.881
6	1: 256000	0.551	0.564	0.398	0.410
7	1: 1024000	0.232	0.233	0.182	0.188
8	1%BSA	0.098	0.096	0.111	0.087