

Table S1

| Peptide/protein target | Manufacturer/Provider, Catalog number | Species | Dilution |
|--|--|----------------|-----------------|
| Acetylated alpha-tubulin | Sigma Aldrich, T7451 | Mouse | 1:50 (a.r.) |
| α -gustducin | Santa Cruz, sc-395 | Rabbit | 1:100 (a.r.) |
| Chromogranin A | Immunostar, 20085 | Rabbit | 1:400 |
| CCK | In house, 8007 | Rabbit | 1:13000 |
| Cytokeration 18 (CK18) | Progen, 61028 | Mouse | 1:10 (a.r.) |
| Doublecortin like kinase 1 (DCLK1) | Abcam, ab37994 | Rabbit | 1:50 |
| Doublecortin like kinase 1 (DCLK1) | Abcam, ab31704 | Rabbit | 1:1000 |
| GFP | Abcam, ab6673 | Goat | 1:1200 |
| GIP | In house, 80867-4 | Rabbit | 1:6000 |
| Hematopoietic Prostaglandin D synthase (HPGDS) | Cayman Chemical, 160013 | Rabbit | 1:100 (a.r.) |
| Secretin | Fahrenkrug, 5585-3 | Rabbit | 1:3000 |
| Serotonin | Abcam, ab66047 | Goat | 1:3200 |
| Somatostatin | Santa Cruz, sc-7819 | Goat | 1:1600 |
| Substance P | In house, 250-2 | Rabbit | 1:3200 |
| Protein gene product 9.5 (PGP 9.5) | Abcam, ab7291 | Mouse | 1:4000 |
| Prostaglandin-endoperoxide synthase 1 (PTGS1) | Santa Cruz, sc-1754 | Goat | 1:50 (a.r.) |
| Prostaglandin-endoperoxide synthase 2 (PTGS2) | Santa Cruz, sc-1747 | Goat | 1:500 (a.r.) |
| PYY | Acris, EUD5201 | Guinea pig | 1:1000 |
| mCherry | Rockland, 600-401-379 | Rabbit | 1:400 |
| mCherry | Chromotek, 3F5 | Mouse | 1:800 |
| | | | |
| AF 488 anti-mouse IgG | Life technologies, A21202 | Donkey | 1:200 |
| AF 488 anti-rabbit IgG | Life technologies, A21206 | Donkey | 1:200 |
| AF 568 anti-mouse IgG | Life technologies, A10037 | Donkey | 1:200 |
| AF 568 anti-rabbit IgG | Life technologies, A10042 | Donkey | 1:200 |
| AF 488 anti-goat IgG | Life technologies, A10057 | Donkey | 1:200 |
| CF488 anti-guinea pig IgG | Biotium, 20169 | Donkey | 1:200 |

(a.r.): antigen retrieval