**Appendix 1. Supplementary Table 1. Antibodies used for immunohistochemistry.**

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| 1o Antibody Target | Host Species | Source | Catalog Number | Dilution | 2o Antibody | Host Species | Source | Catalog Number | Dilution |
| TRPV1 | Guinea Pig | Neuromics | GP14100 | 1:200-500 | Anti-Guinea Pig A568 | Goat | ThermoFisher Scientific | A-11075 | 1:500-1000 |
| TRPA1 | Rabbit | Santa Cruz Biotechnology | sc-66808 | 1:200-400 | Anti-rabbit A488 (Fig 2A,7) A647 (Fig2D) | Goat | ThermoFisher Scientific | A-11008(488)A32733(647) | 1:200-1000 |
| CGRP | Rabbit | Abcam | ab47027 | 1:500-1000 | Anti-rabbit A647  | Goat | ThermoFisher Scientific | A32733 | 1:200-1000 |
| ScgII | Rabbit | Novus Biologicals | NBP2-15895 | 1:250  | Anti-rabbit A488 | Goat | ThermoFisher Scientific | A-11008 | 1:1000 |
| SCG3 | Goat | Santa Cruz Biotechnology | sc-1492 | 1:100-250 | anti-Goat A594 | Donkey | ThermoFisher Scientific | A-11058 | 1:1000 |
| TUJ1 | Mouse | BioLegend | MMS-435P | 1:1000-2000 | Anti-mouse A488 | Goat | ThermoFisher Scientific | A-11008 | 1:1000 |
| NF200 | Chicken | Millipore | AB5539 | 1:5000 | Anti-chicken A488 (Fig2D)Anti-chicken A647 (Fig3) | GoatGoat | ThermoFisher Scientific ThermoFisher Scientific | A-11039A-21449 | 1:1000 |