

## **Supplementary Figure and Tables**

### **The pathway and effects of ascorbic acid during wound healing in rat dental pulp**

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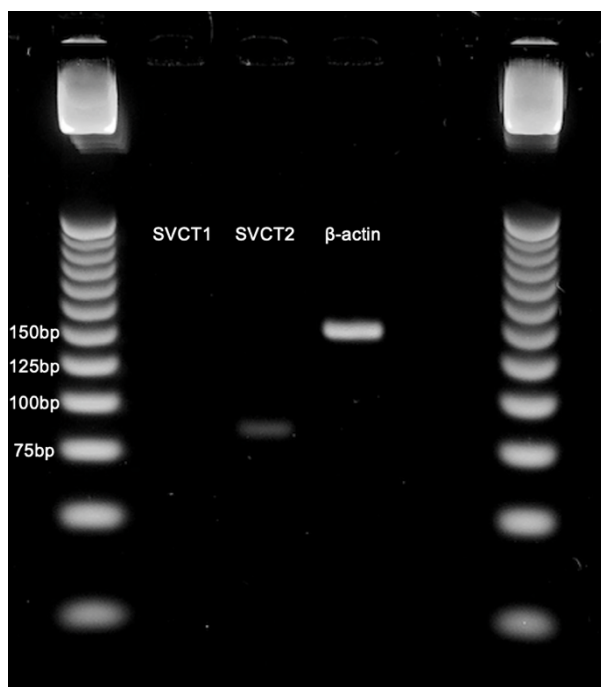
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### Supplementary Figure 1.



Expression of sodium-dependent vitamin C transporters (SVCTs) mRNA with RT-PCR in rat molar dental pulp. This picture shows a full-length gel from Figure 1a.

**Supplementary Table 1 Antibodies Used in This Study**

| Antibody            | Clone      | Dilution | Source                                       |
|---------------------|------------|----------|----------------------------------------------|
| Goat anti-SVCT2     | G-19       | 1: 50    | Santa Cruz Biotechnology, Dallas, TX, USA    |
| Rabbit anti-GLUT1   | Polyclonal | 1: 100   | Proteintech, Rosemont, IL, USA               |
| Mouse anti-Nestin   | Rat-401    | 1: 100   | Millipore, Darmstadt, Germany                |
| Rabbit anti-OPN     | O-17       | 1 µg/mL  | Immuno-Biological Laboratories, Gumma, Japan |
| Mouse anti-α-SMA    | 1A4        | 1: 100   | Sigma-Aldrich, St Louis, MO, USA             |
| Rabbit anti-Col I   | Polyclonal | 1: 100   | Abcam, Cambridge, United Kingdom             |
| Rabbit anti-Col III | Polyclonal | 1: 100   | Abcam, Cambridge, United Kingdom             |
| Mouse anti-CD68     | ED-1       | 1: 250   | Novus Biologicals, Centennial, CO, USA       |
| Rabbit anti-CD206   | Polyclonal | 1: 1000  | Abcam, Cambridge, United Kingdom             |
| Mouse anti-RECA-1   | HIS52      | 1: 50    | AbD Serotec, Oxford, UK                      |
| Rabbit anti-PGP9.5  | Polyclonal | 1: 300   | UltraClone Limited, UK                       |

**Supplementary Table 2 Primers Used in This Study**

| Molecular name           | Accessin NO. | Primer            |                       |               |
|--------------------------|--------------|-------------------|-----------------------|---------------|
|                          |              | Name of oligomer  | Sequence              | Expected size |
| <b><i>Slc2a1</i></b>     | NM_138827.1  | Sense primer      | tggtttgtggccttcttg    | 140bp         |
|                          |              | Anti-sense primer | tgcccacgatgaagtgtgag  |               |
| <b><i>Slc32a1</i></b>    | NM_031782    | Sense primer      | ttcggttgctccattctac   | 74bp          |
|                          |              | Anti-sense primer | aaacaggcaacaggaagggtg |               |
| <b><i>Slc32a2</i></b>    | NM_017316    | Sense primer      | cggaacctattgtgcttg    | 84bp          |
|                          |              | Anti-sense primer | gcctgtaaccagagggtttg  |               |
| <b><i>Nestin</i></b>     | AF538924.1   | Sense primer      | tccttagccacaaccctcaac | 109bp         |
|                          |              | Anti-sense primer | agatttgccctcatcttcc   |               |
| <b><i>Beta-actin</i></b> | NM_031144.2  | Sense primer      | caggggtgtgatggtgggtat | 146bp         |
|                          |              | Anti-sense primer | gtgtggtgccaaatcttctc  |               |