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SUPPLEMENTARY MATERIAL

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Expression and localization of α 2A-adrenergic receptor in the rat post-natal developing cochlea

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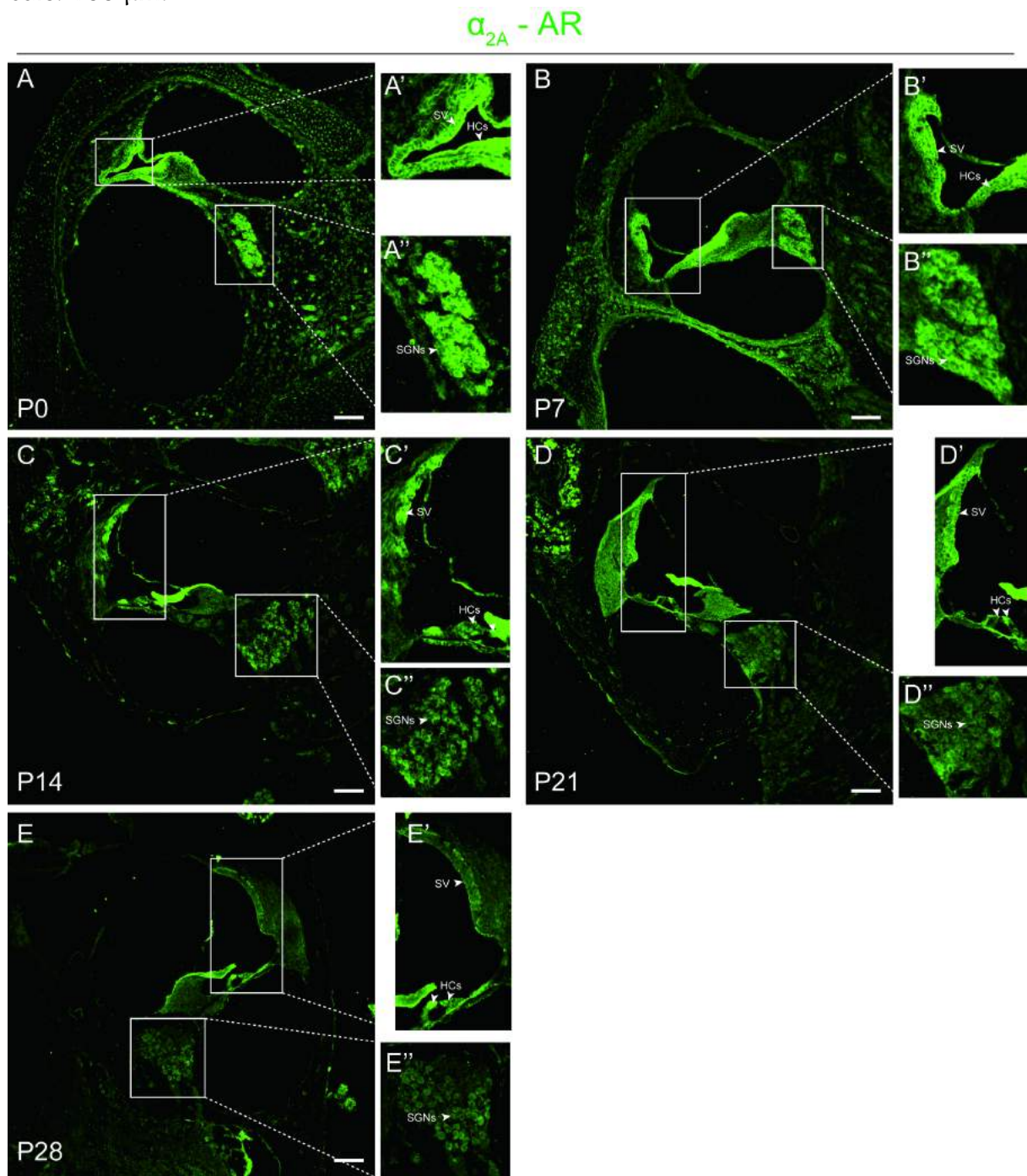
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Key words: adrenergic receptor; hair cells; spiral ganglion neurons; stria vascularis; rat.

Supplementary Figure 1.

Immunofluorescence of α_{2A} -AR within the developing cochleae tissues at various stages. A P0 group, B P7 group, C P14 group, D P21 group, E P28 group. (A', A'', B', B'', C', C'', D', D'', E', and E'') are magnified views of indicated boxed areas in (A–E). Immunolabelling of a transverse section of developing cochleae tissues at various stages using an antibody against α_{2A} -AR (green). α_{2A} -AR was mostly expressed in HCs, SGNs, and the SV. HCs, hair cells; SGNs, spiral ganglion neurons; SV, stria vascularis. Scale bars: 100 μ m.



Supplementary Figure 2.

Immunolocalization of α_{2A} -AR in developing cochleae tissues at various stages. A-A3) P0 group, B-B3) P7 group, C-C3) P14 group, D-D3) P21 group, E-E3) P28 group. No immunoreactivity was observed in the negative controls using secondary antibodies alone. HCs, hair cells; SGNs, spiral ganglion neurons; SV, stria vascularis. Scale bars: 100 μ m.

