

Supporting Information

Control of cerebellar Purkinje cell development by synergistic activity of collagen and laminin-1

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Supplementary figures

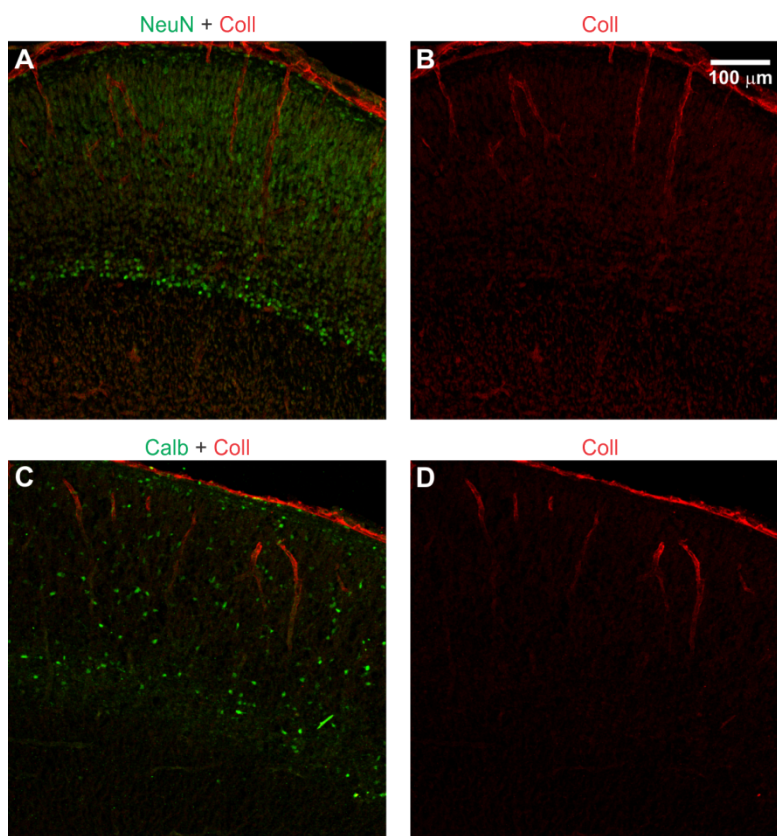


Fig. S1: Collagen expression in rat cerebral cortex. Sagittal sections of cerebral cortex from 20 days old rat embryo, stained for collagen type I-V (red) and co-immunostained for neuronal specific nuclear protein NeuN (**A**) or calbindin (**C**). The collagen channel alone is shown in (**B**) and (**D**).

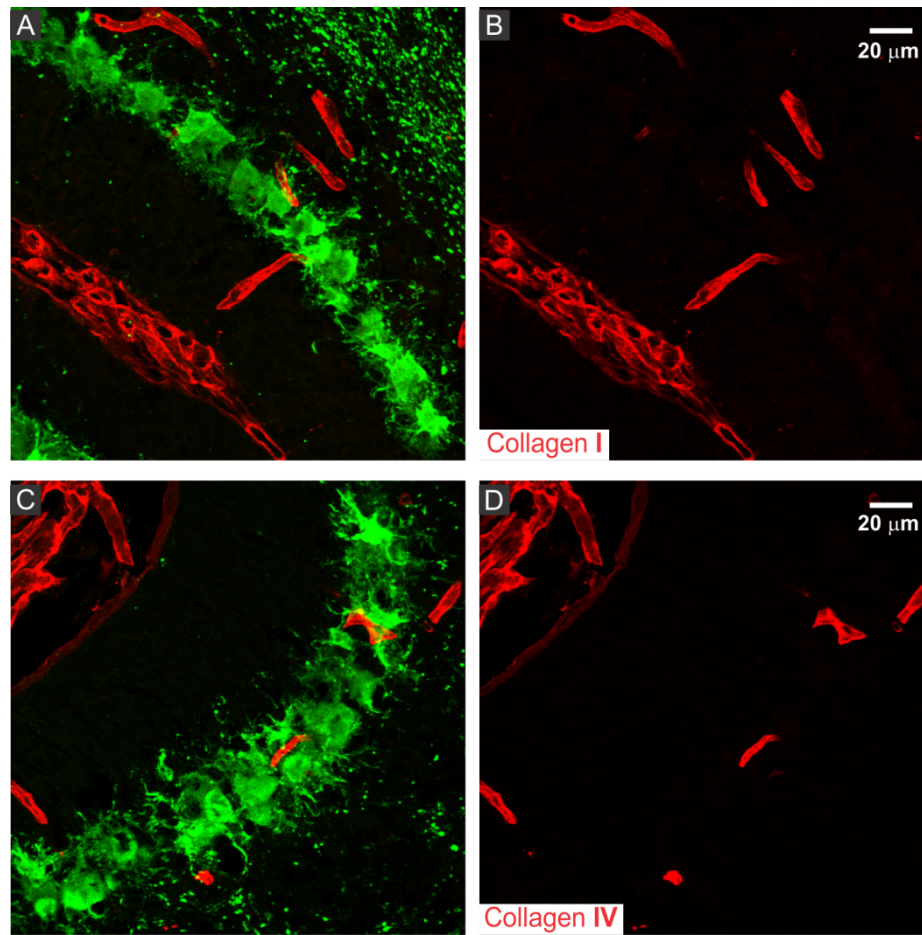


Fig. S2: Expression of Collagen I and Collagen IV in rat cerebellar cortex. Sagittal sections of postnatal 5 days old cerebellum stained for calbindin (green) and co-immunostained for either collagen type I (*A*) or collagen type IV (*C*). The collagen channel alone is shown in (*B*) and (*D*).

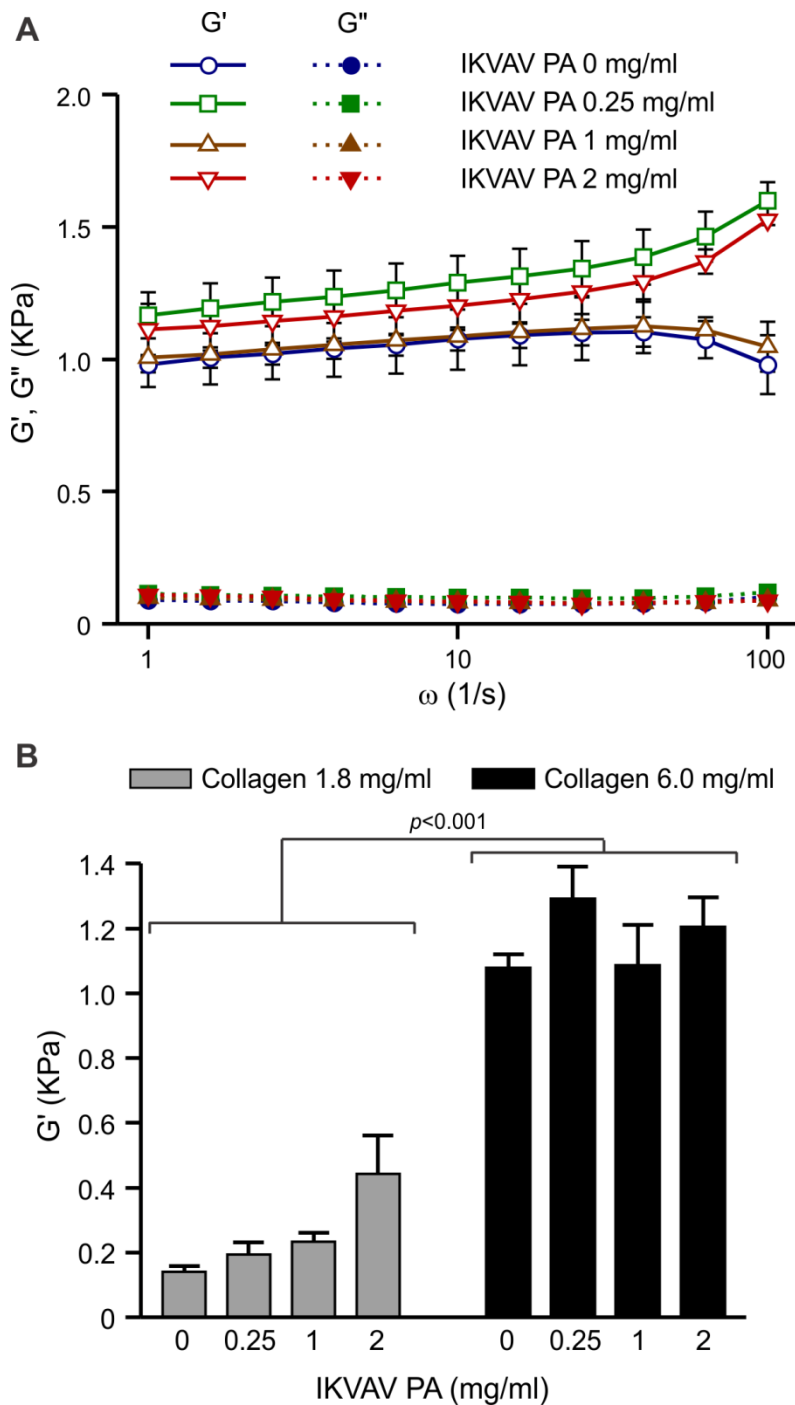


Fig. S3: (**A**) Rheological measurements (storage modulus, G' ; loss modulus G'') of hybrid matrices formed by collagen 6.0 mg/ml and different IKVAV PA concentrations over an angular frequency range of 1 to 100 s⁻¹ (strain 0.1%; each trace represents an average of three measurements). (**B**) Effects of collagen and IKVAV PA concentrations on the storage moduli of hybrid matrices, compared at an angular frequency of 10 s⁻¹ and strain of 0.1% (two-way ANOVA with Tukey's post-hoc comparison; n=3).