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**Supplementary data 1. A)** Experiment workflow: microglia cells and exosomes isolation. **B)** Number of isolated microglia cells from different tissue region from 10 rat pups P3/P4. **C)** and **D)** Immunostaining using anti-Iba1 antibody (green), marker for microglia cells, anti-GFAP antibody (red), marker for astrocytes and DAPI (blue) stain for cell nucleus. Scale bars: 100 µm.