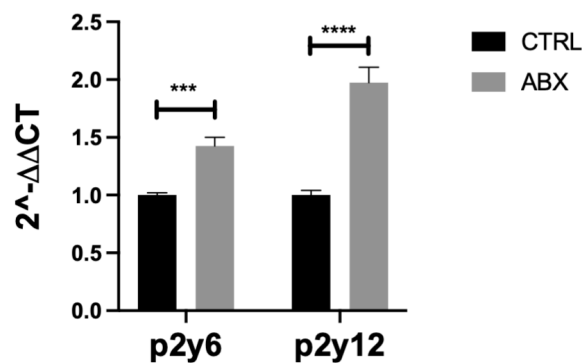


Supplementary Figure 1: Current traces of representative microglia cells from *CX3CR1^{+/GFP}* mice acute hippocampal slices expressing both *I_k* and *I_{kir}* in response to voltage steps stimulation (steps from -170 to +70 mV; holding potential -70 mV). Right: Corresponding current/voltage relationship between microglia cells from CTRL (*n*= 40 cells/6 mice) and ABX (*n*= 47 cells/ 7 mice). *p*=0.44 and *p*=0.33, Student's *T*-test at 0 mV and 10 mV.



Supplementary Figure 2: RT-PCR of hippocampal extracts from CTRL and ABX mice, *p2y6* and *p2y12* purinoceptor genes in hippocampal RNA extract (CTRL *n*= 6 mice; ABX *n*= 6 mice. Student's *T*-test: *** *p*<0.001 *****p*<0.0001, ns: *p*=0.2)