

SUPPLEMENTARY TABLE S1. MEAN VALUES, MEAN \pm STANDARD ERROR OF THE MEAN (ARBITRARY UNITS), OF THE IMMUNOHISTOCHEMICAL PARAMETERS (STAINING INTENSITY AND PERCENTAGE OF THE SURFACE AREA OCCUPIED BY STAINING), WESTERN BLOT ASSAY, AND NUMBER OF CELLS (HISTOLOGICAL NISSL STAINING AND IMMUNOHISTOCHEMICAL STAINING WITH ANTINEURONAL NUCLEI, WHICH REACT WITH MOST NEURONAL CELL TYPES BY ANALYZED BRAIN REGIONS)

Brain region	Analysis	Parameter	Analyzed protein	Mean \pm SEM in PW	Mean \pm SEM in PC	p Value summary
Frontal	IHC (Cg2)	Protein density	A ₁ -Rs	59.9 \pm 0.7	96.8 \pm 0.8	***
			A _{2A} -Rs	—	—	—
			GFAP	102.5 \pm 1.0	90.8 \pm 1.4	***
		% surface occupied by staining	A ₁ -Rs	5.7 \pm 0.7	13.1 \pm 0.4	***
			A _{2A} -Rs	—	—	—
			GFAP	11.9 \pm 0.3	12.1 \pm 0.2	ns
	WB	Protein density	A ₁ -Rs	0.35 \pm 0.01	0.80 \pm 0.03	***
			A _{2A} -Rs	0.15 \pm 0.02	0.07 \pm 0.02	ns
			GFAP	0.91 \pm 0.26	0.89 \pm 0.10	ns
	Number of cells	Nissl staining NeuN-ir		16.9 \pm 0.4	9.5 \pm 0.4	***
				11.5 \pm 0.4	9.5 \pm 0.4	ns
	Hippocampus	IHC (DG)	Protein density	A ₁ -Rs	120.3 \pm 1.3	141.8 \pm 1.7
A _{2A} -Rs				—	—	—
GFAP				126.3 \pm 1.2	107.9 \pm 3.5	***
% surface occupied by staining			A ₁ -Rs	16.79 \pm 0.7	18.62 \pm 0.35	*
			A _{2A} -Rs	—	—	—
			GFAP	15.2 \pm 0.7	14.65 \pm 0.38	ns
WB		Protein density	A ₁ -Rs	0.85 \pm 0.01	0.31 \pm 0.13	*
			A _{2A} -Rs	0.93 \pm 0.01	1.63 \pm 0.05	**
			GFAP	1.27 \pm 0.01	0.70 \pm 0.14	*
Number of cells		Nissl staining NeuN-ir		10.12 \pm 0.99	5.08 \pm 0.58	***
				1.8 \pm 0.18	1.92 \pm 0.22	ns
mPOA		IHC	Protein density	A ₁ -Rs	109.2 \pm 0.6	125.7 \pm 0.2
	A _{2A} -Rs			—	—	—
	GFAP			129.8 \pm 0.98	136.2 \pm 2.9	ns
	% surface occupied by staining		A ₁ -Rs	11.64 \pm 0.4	13.88 \pm 0.67	*
			A _{2A} -Rs	—	—	—
			GFAP	11.97 \pm 0.37	13.19 \pm 0.21	*
	WB	Protein density	A ₁ -Rs	—	—	—
			A _{2A} -Rs	—	—	—
			GFAP	—	—	—
	Number of cells	Nissl staining NeuN-ir		22.62 \pm 1.67	12.33 \pm 1.22	***
				11.62 \pm 0.75	10.53 \pm 0.55	ns
	S2	IHC	Protein density	A ₁ -Rs	119.3 \pm 1.9	98.43 \pm 0.3
A _{2A} -Rs				—	—	—
GFAP				118.4 \pm 0.5	136.9 \pm 2.4	***
% surface occupied by staining			A ₁ -Rs	16.29 \pm 0.29	14.00 \pm 0.31	***
			A _{2A} -Rs	—	—	—
			GFAP	6.8 \pm 0.45	13.12 \pm 0.16	***
WB		Protein density	A ₁ -Rs	—	—	—
			A _{2A} -Rs	—	—	—
			GFAP	—	—	—
Number of cells		Nissl staining NeuN-ir		13.27 \pm 0.36	11.77 \pm 0.38	ns
				7.88 \pm 0.39	8.73 \pm 0.45	ns
Str		IHC	Protein density	A ₁ -Rs	117.3 \pm 1.0	112.2 \pm 0.6
	A _{2A} -Rs			118.5 \pm 0.9	152.1 \pm 3.1	***
	GFAP			78.28 \pm 2.1	84.11 \pm 1.5	ns
	% surface occupied by staining		A ₁ -Rs	17.21 \pm 1.0	10.13 \pm 0.29	***
			A _{2A} -Rs	14.85 \pm 0.36	16.62 \pm 0.64	*
			GFAP	9.4 \pm 0.35	12.72 \pm 0.6	**
	WB	Protein density	A ₁ -Rs	0.21 \pm 0.06	0.07 \pm 0.01	ns
			A _{2A} -Rs	0.49 \pm 0.02	1.00 \pm 0.04	**
			GFAP	0.24 \pm 0.01	0.82 \pm 0.24	**
	Number of cells	Nissl staining NeuN-ir		11.23 \pm 0.37	11.85 \pm 0.55	ns
				11.33 \pm 0.85	9.00 \pm 0.46	ns

* p <0.05; ** p <0.01; *** p <0.001.

ns, not significant; PC, pregnant caffeine, PW, pregnant water; GFAP, glial fibrillary acidic protein; Cg2, cingulate cortex; S2, secondary somatosensory cortex; Str, striatum; DG, dentate gyrus; mPOA, medial preoptic area; NeuN, neuronal nuclei; ir, immunoreactivity; SEM, standard error of the mean; WB, Western blot.